



SourceNet AS tilbyr en rekke tester, enten som en del av en rekrutteringsavtale, eller frittstående for andre kandidater.

Brainbench er noe rettet mot det amerikanske markedet (store bedrifter), men gir god pekepinn på kompetansenivået hos kandidaten.

Det gis karakter på testen, med "sterke og svake" sider.

Overall Score:	2.75	
Weights:	100% C++	
Elapsed time:	88 min 31 sec	
C++		
Score	2.75	
Percentile	Scored higher than 15% of previous examinees	
Account Percentile	Scored higher than 14% of 7 examinees within this account	
Proficiency Level:	Proficient	
<small>Demonstrates a solid understanding of core concepts within this topic. Appears capable of working on most projects in this area with moderate assistance. May require some initial assistance with advanced concepts, however.</small>		
Strong Areas	<ul style="list-style-type: none"> C++ Class 	
Weak Areas	<ul style="list-style-type: none"> Basic Structure and Syntax Fundamentals of OOD 	

- MS SQL Server 2000 Administration
- MS SQL Server 2000 Programming
- MS SQL Server 6.5 Administration
- MS SQL Server 6.5 Programming
- MS SQL Server 7 Administration
- MS SQL Server 7 Programming
- MS Site Server 3.0 Administration
- MS Systems Mgmt. Server 2.0 Admini
- MS Visual InterDev 6.0
- MS Windows 2000
- MS Windows 2000 Active Directory
- MS Windows 2000 Desktop Administr
- MS Windows 2000 Fundamentals
- MS Windows 2000 Migration
- MS Windows 2000 Server Administrat
- MS Windows 2000 Simulation
- MS Windows 2000 Spanish Simulatio
- MS Windows 2003 Active Directory
- MS Windows 95 Administration
- MS Windows 95 Navigation
- MS Windows 98 Administration
- MS Windows 98 Navigation
- MS Windows 98 Simulation
- MS Windows Me Administration
- MS Windows NT 4.0 Administration
- MS Windows NT 4.0 Workstation Adm
- MS Windows Server 2003 Administrat
- RDBMS Concepts
- RPG IV
- SAS 6.0 (Base)
- SAS 8.2 (Base)
- SEI Capability Maturity Model Impl
- SOAP
- SONET
- SQL (ANSI)
- SQL (ANSI) Fundamentals
- Server Administration
- SilverStream 2.5 Applications Serv
- Smalltalk
- Software Business Analysis
- Software Configuration Manageme
- Software Quality Assurance
- Software Testing
- Spoken English Test
- Spoken Spanish Test
- Struts 1.2.x
- Sybase 11.X Administration
- Systems Analysis
- TCP/IP Administration

.NET Framework The Brainbench .NET Framework test measures your ability to work in the .NET environment. It covers a variety of applicable skills used in the .NET environment. Designed for experienced programmers, this test includes the following topics: .NET Architectural Overview, .NET Framework Class Library, .NET Metadata, .NET Programming, Assemblies, Common Language

.Net Framework 2.0 The Brainbench .NET Framework 2.0 test measures your knowledge of .NET environment. Designed for experienced users, this test covers the following topics: .NET Architectural Overview, .NET Framework Class Library, .NET Metadata, .NET Programming, Assemblies, CLS and CTS, Common Language Runtime

ABAP The Brainbench ABAP for SAP R/3 test measures your knowledge of programming in ABAP for SAP R/3. Designed for experienced programmers, this test covers the following topics: ABAP Memory, ABAP Open SQL, Authority-checks, Background Processing, BDC, Data, Dialog Programming, Field-symbols, File Processing, Flow Control, Functions, Internal Tables, Logical Units of Work, Macros, Reporting, Structures, Subroutines, Tasks/Change Requests, and Variables.

Active Server Pages The Brainbench Active Server Pages (ASP) test measures your knowledge of

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developing Web sites using ASP 3.0. Designed for experienced developers, this test covers the following topics: ADO Core Elements, ASP Architecture, Basic Language, Error Handling, I/O Concepts, Key Client Side Elements, Server Side Elements, and Utility Objects on Server

ActiveX	The Brainbench ActiveX test measures your knowledge of programming ActiveX controls. Designed for experienced web developers, this test covers the following topics: ActiveX Technologies, General Knowledge, Component Creation, and Interfaces.
Ada95	The Brainbench Ada95 test measures your knowledge of programming using Ada 95. Designed for the experienced Ada95 programmer, this test includes the following topics: Declarations and types, Generics, Low level programming, Object Oriented Programming, Packages and Visibility, Predefined environment, Statements and Expressions, SubPrograms, Tasking.
Adabas Administration	The Brainbench Adabas 6.22 Administration test measures your knowledge of administering Adabas databases. Designed for experienced administrators, this test covers the following topics: Architecture, DB Installation, DB Maintenance, DB Recovery, DB Validation, Installation and Maintenance, Messages and Codes, Operations and Procedures, and Unload/Load.
ADO.NET	The Brainbench ADO.NET test measures your knowledge of programming using ADO within the .NET Framework. Designed for experienced .NET developers, this test includes the following topics: Command Object, Components, Connection Object, Data Adapter, Data Reader, DataSets, DataSets and XML, and Implementation.
Adobe FrameMaker 5.5	The Brainbench Adobe FrameMaker 5.5 test measures your knowledge of Adobe FrameMaker 5.5. Designed for experienced users, this test covers the following topics: Advanced Features, Books, Document Basics, Editing Text, Graphics/Page Layout, Paragraph Formats, Tables, and Variables.
Adobe Illustrator 8.0	The Brainbench Adobe Illustrator 8.0 test measures your knowledge of Adobe Illustrator 8.0. Designed for experienced users, this test covers the following topics: Color Images, Image Basics, Printing, Text, and General Knowledge.
Adobe Illustrator CS	The Brainbench Adobe Illustrator CS test measures your knowledge of Adobe Illustrator CS. Designed for experienced users, this test covers the following topics: Automation and Customization, Color, Compiling Objects, Enhancing Artwork, Interaction with Web and Other Applications, Interface, Objects and Shapes, and Type.
Adobe InDesign CS	The Brainbench Adobe InDesign CS test measures your knowledge of Adobe InDesign CS. Designed for the experienced user, but an average performer in this role should pass this test. This test covers the following topics: Colors, Document Setup, Drawing, Exporting Documents, Interface, Multimedia, Objects, Typography.
Adobe PageMaker 6.5	The Brainbench Adobe PageMaker 6.5 test measures your knowledge of Adobe PageMaker 6.5. Designed for experienced users, this test covers the following topics: Advanced Features, Color, Document Layout, Graphics, Linked Files, Outputting/Exporting, Portability, Typography, and User Interface.
Adobe Photoshop 5.5	The Brainbench Adobe Photoshop 5.5 test measures your knowledge of Adobe Photoshop 5.5. Designed for experienced users, this test covers the following topics: Color, File Formats, Filters, General Knowledge, History and Actions, Layers, Paths, and Tools.
Adobe Photoshop 6.0	The Brainbench Adobe Photoshop 6.0 test measures your knowledge of using Adobe Photoshop. Designed for experienced users, this test includes the following topics: Color, Tools, Layers, Web Use, Formats, Efficiency, and Filters.
Adobe Photoshop 7.0	The Brainbench Adobe Photoshop 7.0 test measures your knowledge of Adobe Photoshop 7.0. Designed for experienced users, this test includes the following topics: Color, Drawing and Editing, Efficiency, Image Control, Layers,

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Masks and Channels, Painting and Retouching, Saving and Exporting, Text, and the Work Area.

Apache 1.3.12 Administration	The Brainbench Apache HTTP Server 1.3.12 Administration test measures your knowledge on the Apache HTTP Server 1.3.12. Designed for experienced Web Administrators, this test focuses on the specifics of the Apache server rather than broader concepts covered in the Web Server Administration test. This test covers the following topics: Apache API, Common Tasks, General Knowledge, Performance Tuning, Security, Server
Apache 2.0 Administration	The Brainbench Apache 2.0 Administration test measures your knowledge of Apache 2.0 Administration. Designed for the experienced user, but an average performer in this role should pass this test. This test covers the following topics: Customization, Dynamic Content, Manipulating URL, Modules, Performance Optimization, Securing Web Server, Server Configuration, Setup, Tracking Server Activities, and Virtual Hosts.
ASP.NET	The Brainbench ASP.NET test measures your knowledge of developing Web sites using Active Server Pages in the .NET environment. Designed for experienced developers, this test includes the following topics: .Net Framework, Architecture, Data Integration, Events, Troubleshooting, Web Applications, Web Controls, Web Forms, and Web Services.
ASP.NET 2.0	The Brainbench ASP.NET 2.0 test measures your knowledge of programming in the .NET environment. Designed for experienced developers this test includes the following topics: .Net Framework, Architecture, Data Integration, Events, Troubleshooting, Web Applications, Web Controls, Web Forms, and Web Services.
ASP.NET Fundamentals	The Brainbench ASP.NET Fundamentals test measures your knowledge of programming in the .NET environment. Designed for entry level programmers, this test focuses on the topics used daily by most professionals and does not include some of the advanced topics found in our ASP.NET test. The test includes the following topics: .Net Framework, Architecture, Data Integration, Events, Troubleshooting, Web Applications, Web Controls, Web Forms, Web Services
Assembly Language	The Brainbench Assembly Language test measures your knowledge of the concepts used in all areas of assembly language. Designed for experienced programmers, this test covers the following topics: Numbering and Representations, Programmers View, Data and Instructions, Addressing Mode, Transfer of Control, Arithmetic Instructions, Bit Manipulations, Interrupts, Assembler, Interfacing with HLL, and Input/Output. Test-takers may need a calculator for this exam.
Asynchronous Transfer Mode (ATM)	The Brainbench Asynchronous Transfer Mode (ATM) test measures your knowledge of ATM networking. Designed for experienced network professionals, this test covers the following topics: ATM Architecture, ATM Addressing and Connections, ATM Hardware, Traffic Management, LAN Emulation, Network Management, Design, Internetworking with Voice and Video, and Internetworking ATM.
AutoCAD 2000 (U.S.)	The Brainbench AutoCAD 2000 (U.S.) test measures your ability to design in two dimensions using AutoCAD 2000. Designed for experienced users, this test covers the following topics: Getting Started/ Organization, Creating Objects, Drawing, Editing, Layers, Color and Line types, Text, Dimensioning,
AutoCAD 2002 (U.S.) (Interactive)	<p>Our AutoCAD 2002 (U.S.) (Interactive) test measures your ability to design in two and three dimensions using AutoCAD 2002. Some of the items in the test contain drawing files that you will open and manipulate in AutoCAD 2002. Designed for experienced users, the AutoCAD 2002 (U.S.) (Interactive) test covers the following topics: Annotation, Drawing, Drawing Shapes, Drawing View, Editing, Editing Objects, File Management, Format, Inserting Objects, and Utilities and Settings.</p> <p>Several of the test questions have links to download a drawing file into your AutoCAD program. Please follow these steps to ensure that the AutoCAD files open correctly:</p>

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* When you are prompted to click on a link to open a file, right-click on the link and save the file to your computer.

* Then go to the file on your computer and right-click on the file and choose "Open With" AutoCAD.

This process will bypass any settings that you have on your browser or your AutoCAD program that instruct the file to open with another program or as an HTML file.

AutoCAD 2004 (U.S.)
(Interactive)

The Brainbench AutoCAD® 2004 (U.S.)(Interactive) test measures your ability to design in two dimensions using AutoCAD® 2002. Some of the items in the test contain drawing files that you will open and manipulate in AutoCAD® 2004. Designed for experienced users, the AutoCAD 2004® (U.S.)(Interactive) test covers the following topics: Annotation, Drawing, Drawing Shapes, Drawing View, Editing, Editing Objects, File Management, Format, Inserting Objects, and Utilities and Settings. Since this test is a hands on measure of your abilities and knowledge of the program, you MUST have AutoCAD 2004 loaded on your computer in order to take this test.

Bash Shell Scripting

The Brainbench Bash Shell Scripting test measures your knowledge of Bash Shell Scripting for Version 2. Designed for experienced scripting professionals, this test includes the following topics: Builtin Commands, Parameters, Precedence and Evaluation, Program Control, Programming Constructs, Redirection, Shell Environment, and Using the Command Line.

BEA WebLogic Application
Server 5.1

The Brainbench BEA WebLogic Application Server 5.1 Administration test measures your ability to administer an application server using the BEA WebLogic Server. Designed for experienced network administrators, this test covers the following topics: Installation, Setup, Configuration, Starting and Stopping, Services, Application, General, Performance Evaluation, and Architecture.

BEA WebLogic Application
Server 8.1

The Brainbench BEA WebLogic Application Server 8.1 Administration test measures your ability to administer an application server using the BEA WebLogic Server. Designed for experienced network administrators, this test covers the following topics: Application and Deployment, Pre-Planning/Pre-Installation, Server Configuration, Server Management, Server Monitoring, Server Troubleshooting, and Software Installation.

Biotechnology Industry
Knowledge

The Brainbench Biotechnology Industry Knowledge test measures your knowledge of the biotechnology industry. Designed for individuals with broad knowledge of the industry and its trends, this test covers the following topics: Agricultural Biotech, Diagnostics, General Knowledge, Industrial Biotech, Market, Regulation, and Therapeutics.

Business Communication

The Brainbench Business Communication test measures your knowledge of communicating in the workplace. It measures the skills necessary to communicate effectively with coworkers at all levels and with external business contacts. Designed for the average business worker, this test includes the following topics: Electronic Communication, Employment Communication, Listening, Meetings, Nonverbal Communication, Verbal Communication, and Written Communication.

Business Ethics Awareness
(U.S.)

The Brainbench Business Ethics Awareness (U.S.) test measures your knowledge of the application of ethical principles in various workplace situations. Designed for all professionals with a broad knowledge of the ethical concerns in a business environment, this test includes the following topics: Community/Societal Relations & Whistle-blowing, Conflicts of Interest, Employer Policies, Ethical Issues, Honesty & Confidentiality, Individual & Organizational Differences, Respect of Property Rights, Safety, Supplier/Vendor & Customer Treatment, and The Law.

Business Writing

The Brainbench Business Writing test measures your knowledge of important types of business writing being used today. Designed for administrative

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professionals, this test covers the following topics: Business Letters, Other Formats, Principles of Organization, Rules of Grammar, Spelling, Style and Tone, and Vocabulary.

C	The Brainbench C test measures your knowledge of programming in the C Language. Designed for experienced programmers, this test covers the following topics: Arrays, Basics, C Expressions, Functions, Input/Output, Pointers, Program Statements, and Strings.
C# 2.0	The Brainbench C# 2.0 test measures your knowledge of programming in the .NET environment using C# 2.0. Designed for experienced programmers, this test includes the following topics: Arrays and Collections, Assembly Loading and Reflection, Delegates and Events, Exception Handling, Grammar and Logic, Object Creation and Lifetime, Object Oriented Design, Reference and Value Types, Type Members and Unmanaged Interoperability.
C# Fundamentals	The Brainbench C# Fundamentals test measures your knowledge of programming in the .NET environment using C#. Designed for programmers, this test includes the following topics: Classes and Interfaces; Delegates; Grammar; Methods; Type Members; and Type System.
C++	The Brainbench C++ test measures your knowledge of programming in C++. Designed for experienced programmers, this test covers the following topics: Basic Structure and Syntax, C++ Class, C++ Data Types, Class Derivation and Inheritance, Class Member Functions, Exception Handling, Fundamentals of OOD, and OOP.
C++	Fundamentals The Brainbench C++ Fundamentals test measures your knowledge of programming in C++. Designed for entry-level programmers, this test includes the following topics: Access Checking, Basic Structure, Classes, Declarations, Declarators, Derivation, Exceptions, Expressions, Overloading, Special Member Functions, Standard C++ Library, Statements, and Templates.
Cellular Technology	The Brainbench Cellular Technology test measures your knowledge of the cellular telecommunications industry. Designed for experienced telecommunications technicians, vendors, and service providers, this test covers the following topics: Basic Concepts, PCS, Security, Problem Solving, Topology/Architecture, and Cellular Applications.
CGI Scripting	The Brainbench CGI Scripting test measures your knowledge of the key issues in Common Gateway Interface script. Designed for experienced web developers, this test covers the following topics: HTTP, HTML Forms, CGI Protocol, CGI Programming, CGI Techniques, Security, Web servers, and CGI Alternatives.
Check Point FireWall-1 Administration	The Brainbench Check Point FireWall-1 4.0 Administration test measures your knowledge of designing and maintaining firewalls using Check Point's FireWall -1 application. Designed for experienced web administrators, this test covers the following topics: Authentication, FW-1 GUIs, FW-1 Installation/Architecture, FW-1 Management, General Knowledge, Network Address Translation, and Security Policy/Rule Base.
Check Point Firewall-1 NG Administration	The Brainbench Check Point FireWall-1 NG Administration test measures your knowledge of designing and maintaining firewalls using Check Point's FireWall -1 application. Designed for experienced web administrators, this test covers the following topics: Audits, Authentication, Core Concepts, FW-1 Installation/Architecture, FW-1 Management, High Availability, Network Address Translation, Performance Tuning, and Security Policy/Rule Base.
CICS	The Brainbench Customer Information Control System (CICS) test measures your knowledge of programming using CICS. Designed for experienced programmers, this test covers the following topics: BMS, Program Control, Storage, the CICS System, Troubleshooting, and Utilities.
Cisco Network Design	The Brainbench Cisco Network Design test measures your knowledge of installing and configuring an Internet Protocol network using Cisco routers. Designed for experienced telecom engineers, this challenging test covers the

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following topics: Cisco Network Design Model, Distance Vector Routing Protocols, Enterprise Routing Protocols, Multicast Protocols, and OSI Model.

Cisco Network Support	The Brainbench Cisco Network Support test measures your knowledge of maintaining an Internet Protocol network using Cisco routers. Designed for experienced telecom engineers, this test covers the following topics: Dial Solutions, Hardware Architecture, IOS/Command Line, IP Addressing, LAN Switching, Network Protocols, OSI Model, Routing Protocols, Traffic Management, and WAN Connectivity.
Cisco Router Fundamentals	The Brainbench Cisco Router Fundamentals test measures your knowledge of Routing Protocols for Cisco Systems. Designed for the basic user, this test includes the following topics: Network Design and Communication, Network Security and Management, Routing Protocols, and WAN technologies
Citrix Administration	The Brainbench Citrix Administration test measures your knowledge of administering a system using Citrix WinFrame and MetaFrame. Designed for experienced system administrators, this test covers the following topics: Installation, Administration, Configuration, Client Computers, Applications, and Troubleshooting.
Client/Server Concepts	The Brainbench Client/Server Concepts test measures your knowledge of the basic concepts of client/server networks. Designed for individuals with basic knowledge of client server networks, this test covers questions on Networks, Processing, Database, and Rapid Application Development.
COBOL I (ANSI 74)	The Brainbench Common Business Oriented Language I (ANSI 74) test measures your knowledge of programming in COBOL I (ANSI 74). Designed for experienced programmers, this test covers the following topics: COBOL Elements, Condition Checking, Creating Reports, Data Division, Decision Making, Errors, File Processing, Process Statements, Program Processing, and Tables.
COBOL II	The Brainbench Common Business Oriented Language II test measures your knowledge of programming in COBOL II. Designed for experienced programmers, this test covers the following topics: Arithmetic Statements, Creating reports, Data Division, Decision Making, File Processing, Language Elements, Process Statements, Tables and data access.
ColdFusion 4.5	The Brainbench ColdFusion 4.5 test measures your knowledge of developing Web pages using ColdFusion 4.5. Designed for experienced developers, this test covers the following topics: Advanced CF, Database, Display and Formatting, E-mail, Files and Directories, Flow Control, Functions, Internet Protocols, Subroutines, and Variables.
ColdFusion 5	The Brainbench ColdFusion 5 test measures your knowledge of developing Web pages using ColdFusion 5. Designed for experienced developers, this test covers the following topics: Advanced ColdFusion Issues, Application Framework, Databases, Directories and Files, E-mail, Flow-Control, Functions, Interacting with Remote Servers, Output and Formatting, Re-Using Code, and Variables.
ColdFusion MX	The Brainbench ColdFusion MX test measures your knowledge of developing Web pages using ColdFusion MX. Designed for experienced developers, this test includes the following topics: Advanced ColdFusion Issues, Application Framework, Code Reuse - Modularity, Databases, E-mail, File System, Flow Control, Forms, Functions, Output, Remote Resources, and Variables.
COM/DCOM (Visual Basic)	The Brainbench COM/DCOM (Visual Basic) test measures your knowledge of the Microsoft Component Object Model and Distributed COM architectures and how these modules are used in building objects to run in an MS Windows environment. Designed for experienced programmers, and web/software developers, this test covers the following topics: Development, Architecture, Registry, Implementation, DCOM Architecture, and DCOM Implementation.
Compaq Server Administration (Win NT/2000)	The Brainbench Compaq Server Administration (Win NT) test measures your knowledge of Compaq system technologies, systems management, and Compaq integration with Windows NT. Designed for experienced systems

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managers, this test covers the following topics: System Architecture, Server Options, Disk Storage Technologies, Compaq Servers, Systems Management, Insight Manager, Diagnostics, Remote Management, Windows NT/2000, Recovery Server, and Integration Server.

Computer Electronics	The Brainbench Computer Electronics test measures your knowledge in the core areas of electronics necessary to understand and maintain computers. This test covers the following topics: Diagnostics, Electrical/Electronic Engineering Principles, Electronics Application, Electronics Theory, and Safety.
Computer Forensics (U.S.)	The Brainbench Computer Forensics test measures your knowledge of Computer Forensics. Designed for the experienced user, but an average performer in this role should pass this test. This test covers the following topics: Analyzing Evidence, Collecting Evidence, Data Types, Examination Procedures, Forensic Tools, Initial Analysis, Investigative Preparation, and Report Findings.
Computer Technical Support	The Brainbench Computer Technical Support test measures your knowledge of how to set up and maintain a PC. Designed for technicians with hands-on experience, this test covers the following topics: Boot Problems, General Hardware Basics, General Hardware Identification and Requirements, I/O Basics, Motherboard, Operating Systems, Specific Hardware, Storage Devices, and Troubleshooting.
Computer Telephony Integration (CTI)	The Brainbench Computer Telephony Integration certification measures your knowledge of designing and installing computer-operated telephone networks in call centers and other locations. Designed for experienced CTI professionals, this test includes the following topics: Telephony, Administration, Applications, Architecture, Database, Disaster Recovery, Telephone User Interface, and Troubleshooting.
CORBA 2.3	The Brainbench Common Object Request Broker Architecture 2.3 test measures your knowledge of programming using CORBA 2.3. Designed for experienced programmers, this test covers the following topics: CORBA Services, CORBA Basics, Design Issues, IDL, Interface Repository, Interoperability, Method Invocation, OMA, and ORB Interface.
C++	The Brainbench Common Object Request Broker Architecture 2.3 C++ test measures your knowledge of programming using CORBA 2.3 C++. Designed for experienced programmers, this test covers the following topics: CORBA Services, CORBA Basics, Design Issues, IDL, Interface Repository, Interoperability, Method Invocation, OMA, and ORB Interface.
CORBA 2.3 Java	The Brainbench Common Object Request Broker Architecture (CORBA) 2.3 Java test measures your knowledge of programming using CORBA 2.3 Java. Designed for experienced programmers, this test covers the following topics: CORBA Services, CORBA Basics, Design Issues, IDL, Interface Repository, Interoperability, Method Invocation, OMA, and ORB Interface.
Crystal Reports 7	The Brainbench Crystal Reports 7 test measures your knowledge of Crystal Reports 7. Designed for experienced users, this test covers the following topics: Charts, Creating Reports, Data Sources, Formatting Reports, Formulas, Querying Data, Report Expert, Report Types, Sharing Information, and Working with Reports.
Crystal Reports 9	The Brainbench Crystal Reports 9 test measures your knowledge of Crystal Reports 9. Designed for experienced users, this test covers the following topics: Charts and Maps, Crystal Report Tools, Data Selecting and Grouping, Data Sources, Formulas, Information Sharing, Report Formatting, Report Types, Reports, and The Repository.
CSS2	The Brainbench CSS2 test measures your knowledge of coding Web pages using CSS2. Designed for experienced coders, this test includes the following topics: Generated Content, Layout, Markup, Media Types, Selectors, Syntax, Text, and Values.
Customer Requirements	

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Analysis	The Brainbench Customer Requirements Analysis test measures your knowledge of customer requirements and the software development process. Designed for experienced programmers and analysts, this test covers the following topics: Analysis, Building the System, Data Gathering Methods, Defining the System, Documenting, Problem Analysis, User Needs Analysis, and Validation.
Data Modeling Concepts	The Brainbench Data Modeling Concepts test measures your knowledge of the most important aspects of data modeling. Designed for both administrators and developers, this test covers the following topics: Attributes and Keys, Entities, Implementation and Model Notations, Normalization, Relationships, and Uses and Benefits.
Data Warehousing Concepts	The Brainbench Data Warehousing Concepts test measures your knowledge of the most important aspects of data warehousing. Designed for both programmers and administrators, this test covers the following topics: Applications, Architecture, Data Extraction, Data Mining, Data Transformation and Cleansing, Databases, Design, Implementation Techniques, OLAP, Performance, and the role of Data Warehousing.
DB2 Administration (OS/390)	The Brainbench DB2 Administration (OS/390) test measures your knowledge of administering DB2 databases. We also offer a DB2 Administration (UDB) operating system test designed for administrators. DB2 (OS/390) is designed for experienced administrators, this test covers the following topics: Administration, Data Definition, Doors to DB2, Overview, Programming, SQL, Tools, Tuning, Utilities and Commands.
DB2 Administration (UDB)	The Brainbench DB2 Administration (UDB) test measures your knowledge of administering DB2 databases. We also offer a DB2 Administration (OS/390) Administration operating system test designed for administrators. DB2 (UDB) is designed for experienced administrators, this test covers the following topics: Administration, Data Definition, Doors to DB2, Overview, Programming, SQL, Tools, Tuning, Utilities and Commands.
DB2 Administration z/OS	The Brainbench DB2 Administration (z/OS) test measures your knowledge of administering DB2 databases. It includes content from the version 8 release. We also offer a DB2 Administration (UDB) operating system test designed for administrators. DB2 (z/OS) is designed for experienced administrators and covers the following topics: Application Program Features, Data Sharing, Database Design Environment Locking and Concurrency, Monitoring and Tuning, Operation and Recovery, SQL, Stored Procedures, Triggers and User Functions, Utilities and Commands.
DB2 Programming	The Brainbench DB2 Programming test measures your knowledge of programming DB2 databases. Designed for experienced programmers, this test covers the following topics: SQL queries, concepts, data definition, data types and structures, programming concepts, programming design, relational database basics, SQL Concepts, tables, and performance.
Delphi 3.0	The Brainbench Delphi 3.0 test measures your knowledge of programming using Delphi 3.0. Designed for experienced programmers, this test covers the following topics: Abstract Data Types; Control Structures; Delphi IDE; DLL, OLE, COM and ActiveX; Exception Handling; Fundamentals of OOD; Object Pascal Class; Object Pascal Language; OOP, Pascal I/O, and Console Applications; VCL Internals and Component Writing; and Visual Component Library (VCL).
Delphi 5.0	The Brainbench Delphi 5.0 test measures your knowledge of programming using Delphi 5.0. Designed for experienced programmers, this test covers the following topics: Abstract Data Types; Application Deployment, Console Applications; Control Structures; Database; Delphi IDE; DLL; Exception Handling; Fundamentals of OOD; IDE Tools; Multi-thread Programming; Object Pascal Class; Object Pascal Language; OLE, COM and ActiveX; OOP, Pascal I/O; VCL Internals and Component Writing; Visual Component Library (VCL); Web Development; and Win API.
Delphi 6.0	The Brainbench Delphi 6.0 test measures your knowledge of programming using Delphi 6.0. Designed for experienced programmers, this test covers the following topics: Component Development, Datasets, Extended Technologies,

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OOP Concepts, OOP Implementation, Pascal Basics, The Delphi Environment, VCL, and VCL Components.

Delphi 6.0 Fundamentals The Brainbench Delphi 6.0 Fundamentals test measures your knowledge of programming using Delphi 6.0. Designed for entry-level programmers, this test covers the following topics: Datasets, Extended Technologies, OOP Concepts, OOP Implementation, Pascal Basics, The Delphi Environment, VCL, and VCL Components.

Digital Signal Processing (DSP) The Brainbench Digital Signal Processing (DSP) test measures your knowledge of digital signal processing and its applications. Designed for experienced hardware professionals, this test covers the following topics: Fundamentals, Architecture, Analog to Digital Conversion, Filtering, DSP Applications, and Advanced Topics.

Disaster Recovery and Planning The Brainbench Disaster Recovery and Planning test measures your knowledge of recovery techniques in the event of a disaster. Designed for administrators, this test covers the following topics: Essential Concepts and Terminology, Exposure and Risk Analysis, Disaster Prevention (Avoidance), Planning Fundamentals, Asset Management, Backups and Offsite Storage, Communications, Preparation Essentials, Recovery/Interim Restoration, and Relocation to Primary Site/Final Restoration.

Diversity Awareness (U.S.) The Brainbench Diversity Awareness (U.S.) test measures your knowledge of the issues around working in a diverse workplace. Designed for all employees, this test enables you to demonstrate that you are knowledgeable about the benefits of a diverse workforce and the common areas where care must be shown to prevent misunderstandings due to differences in backgrounds, gender, and abilities. This test includes the following topics: Diversity in Organizations, Diversity: Concepts and Driving Forces, Managing for Diversity - Policies & Programs, Organizational Roles and Culture, and The Character of Diversity.

DOS 6.2 The Disk Operating System 6.2 test measures your knowledge of DOS 6.2. Designed for system administrators, IT help desk, and technical support professionals, this test covers the following topics: ANSI.SYS, DOS Fundamentals, DOS Editor, Files and Directories, Managing Disks, Batch Files, System Configuration, and Controlling DOS.

Dreamweaver 3.0 The Brainbench Dreamweaver 3.0 test measures your knowledge of developing web sites using Macromedia's Dreamweaver 3.0. Designed for experienced designers, this test covers the following topics: Behaviors, Customizing, General Knowledge, Import/Export, Links and Navigation, Media, Objects, Page Management, and Site Management.

Dreamweaver 4.0 The Brainbench Dreamweaver 4.0 test measures your knowledge of developing web sites using Macromedia's Dreamweaver 4.0 software. Designed for experienced designers, this test includes the following topics: Adding Interactivity, Application Environment, Collaboration, Customizing and Extending, Media, Page Authoring, Page Design, Page Management, and Site Management.

Dreamweaver MX The Brainbench Dreamweaver MX test measures your knowledge of developing Web sites using Macromedia's Dreamweaver MX software. Designed for experienced designers, this test includes the following topics: Adding Interactivity, Application Development, Application Environment, Collaboration & Productivity, Customizing & Extending, Media, Page Authoring, Page Design, Page Management, and Site Management.

Dreamweaver MX 2004 The Brainbench Dreamweaver MX 2004 test measures your knowledge of developing web sites using Macromedia's Dreamweaver MX 2004 software. Designed for experienced designers, this test includes the following topics: Accessibility, Application Development, Application Environment, Coding, Collaboration and Productivity, Interactivity, Layout, Media, Page Authoring, and Site.

Dynamic HTML The Brainbench Dynamic HyperText Markup Language test measures your knowledge of coding web pages using DHTML. Designed for experienced

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coders, this test covers the following topics: Containers, CSS, DOM, Events, Forms, Frames, HEAD Elements, Sights and Sounds, and Tables.

- E-Commerce Concepts** The Brainbench E-commerce Concepts test measures your knowledge of ecommerce. Designed for individuals with broad knowledge of the industry and its trends, this test covers the following topics: Backends, Business Models, ECommerce Technology, General Understanding/Concepts, Personalization, Purchasing, Security, Taxation/Shipping, Technologies on the Horizon, and Types of E-commerce.
- E-Commerce Implementation** The Brainbench E-commerce Implementation test measures your knowledge of implementing E-commerce on your web site. Designed for experienced web developers and administrators this test covers the following topics: Ecommerce Building Blocks, E-commerce Types, Hardware, Money Transactions, Network Infrastructure, Security, Setting Up an E-commerce Site, and Emerging Technologies.
- Electronic Data Interchange (EDI)** The Brainbench Electronic Data Interchange (EDI) test measures your knowledge of Electronic Data Interchange. Designed for EDI professionals, this test covers the following topics: Ansi-X12, Bar Coding, Test Requirements, EDI Online thru XML, Cyberdefense, Data Elements and Segments, Security and Auditing, Mapping, Labels, Transactions Sets, XML Fundamentals and Communications, and Connectivity.
- Embedded Systems Concepts** The Brainbench Embedded Systems Concepts test measures your knowledge of the core concepts involved in working with embedded systems. This test is not specific to any platform but measures knowledge across all areas of embedded systems. Designed for all involved with embedded systems, this test covers the following topics: System Design, Hardware and Software Design, Interrupts, Software Architecture, Validation, and Debugging.
- ERP Concepts (U.S.)** The Brainbench ERP Concepts (U.S.) test measures your knowledge of the Enterprise Resource Planning business management system and methodology. Designed for the experienced planning professional, this test covers the following topics: Enterprise Integration, Enterprise Management, ERP Selection and Implementation, and Operations Management.
- ERwin 3.5.2 Administration** The Brainbench ERWin 3.5.2 test measures your knowledge of administering ERWin 3.5.2 databases. Designed for experienced administrators, this test covers the following topics: Model Management, Model Types, Modeling Objects, Data Model Notations, Exchange Formats, Schema Generation, and Reporting.
- Fiber Optics** The Brainbench Fiber Optics test measures your knowledge of concepts and practices of installing fiber optics. Designed for experienced telecom engineers, and network planners, this test covers the following topics: Fiber Optics Construction, Applications, Specifications, Connectors, and Hardware.
- Firewall Administration Concepts** The Brainbench FireWall Administration Concepts test measures your knowledge of designing and maintaining firewalls. Designed for experienced network administrators, this test covers the following topics: Audits, Core Technologies, Internals, Maintenance, Network Address Translation (NAT), Optimization, Piercing, Policies, Security Vulnerabilities, and Types.
- Fireworks 3** The Brainbench Fireworks 3 test measures your knowledge of developing graphics for the web using Macromedia's Fireworks 3. Designed for experienced designers, this test covers the following topics: Animation, Behaviors, Buttons, Exporting Images, Fill and Stroke, Fireworks Design Environment, Integration with Dreamweaver and UltraDev, Production Techniques, Slices and Hotspots, Raster Drawing Tools, and Vector Drawing Tools.
- Fireworks 4** The Brainbench Fireworks 4 test measures your knowledge of developing graphics for the Web with Macromedia Fireworks. Designed for experienced designers, this test includes the following topics: Animation, Behaviors, Buttons, Design Environment, Effects, General Tools, Layers and Frames,

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Masks, Production Techniques, Raster, Symbols and Libraries, Text, and Vector.

Flash 4	The Brainbench Flash 4 test measures your knowledge of developing graphics presentations using Macromedia's Flash 4. Designed for experienced developers, this test covers the following topics: Advanced Actions, Animation, Buttons, Drawing Tools, Movie Management, Objects, Publishing and Exporting, Sound, and Text.
Flash 5	The Brainbench Flash 5 test measures your knowledge of developing graphics presentations using Macromedia's Flash 5. Designed for experienced developers, this test covers the following topics: Advanced Actions, Animation, Buttons, Movie Management, Objects, Publishing and Exporting, Sound, and Tools.
Flash MX	The Brainbench Flash MX test measures your knowledge of developing graphics presentations using Macromedia's Flash MX. Designed for experienced developers, this test covers the following topics: Advanced Actions, Animation, Movie Management, Publishing and Exporting, Scripting, Sound, Symbols, and Tools.
FORTRAN 77	The Brainbench Formula Translator 77 test measures your knowledge of programming in FORTRAN 77. Designed for experienced programmers, this test covers the following topics: Data Structures, Decision Structures, Input/output, Looping Structures, Program Life Cycle, Subprograms, Variables, and Expressions.
Frame Relay	The Brainbench Frame Relay test measures your knowledge of Frame Relay networking. Designed for experienced network professionals, this test covers the following topics: Frame Relay Architecture, Frame Relay Devices/Connections - Layer 1, Frame Relay Virtual Circuits, Traffic Management, Network Troubleshooting, Design, VOFR, Multiprotocol Over Frame Relay, and ATM and Frame Relay.
HomeSite 4.5	The Brainbench HomeSite 4.5 test measures your knowledge of writing HTML and creating web pages using HomeSite 4.5. Designed for experienced developers, this test covers the following topics: Design Mode, Designing Web Pages, Editing, Fonts and Colors, Forms, Frames, Getting Started, Image Use, Linking Pages, Style Sheets, Tables, Tag Editor Dialogs, and Web Site Management.
HRIS Concepts	The Brainbench HRIS Concepts test measures your knowledge of information systems for a human resources organization or team. Designed for experienced Human Resources professionals, this test includes the following topics: Functions of an HRIS, Installation and Maintenance, Selection Steps, Affect on the Workforce, and Technology.
HTML 4.0	The Brainbench HyperText Markup Language (HTML) 4.0 test measures your knowledge of coding web pages using HTML 4.0 and HTML 4.1. Designed for experienced coders, this test covers the following topics: Advanced HTML, Browsers, Components, Document Information, Forms, Frames, Images, Links, Lists, Page Structure, Style Sheets, Tables, and Text.
IMS 6.0	The Brainbench IMS 6.0 test measures your knowledge of the IBM hierarchical database management system database. Designed for experienced database managers and system engineers, this test covers the following topics: Data Base Description, Loading/Inserting Segments, Sequential Retrieval, Random Retrieval, Deleting/Replacing Segments, DL/I Processing, and Command Codes.
Informatica PowerMart/PowerCenter 6.2.1	The Brainbench Informatica PowerMart_PowerCenter 6.2.1 test measures your knowledge of developing using Informatica. Designed for experienced developers, this test includes the following topics: Advanced Features and Functions, Designer, Environment Configuration, Mapping Designer, Performance, Repository Manager Tasks, Features and Functions, Setup and

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Installation, Source Analysis, Warehouse Designer, and Workflow Administration Tasks.

Information Technology
Industry Knowledge

The Brainbench Information Technology Industry Knowledge test measures your knowledge of the computer industry. Designed for individuals with a broad knowledge of the industry and its trends, this test covers the following topics: Bus Technology, Certification, Desktop Computing/Peripherals, Internet, Laptop Computing, Mobile Computing, Networking, Operating Systems, Programming, Security, and Server Technology.

Information Technology
Security Fundamentals

The Brainbench Information Technology Security Fundamentals test measures your knowledge of basic information security concepts, skills, and best practices. Designed for system administrators and foundation-level security professionals, this test covers the following topics: Attack Recognition, Prevention, & Response; Content Security; Database Infrastructure Protection; General Concepts; Network Infrastructure Protection; Other Applications Security; Perimeter & Internet Security; Security Management Systems; Security Technologies; Systems Infrastructure Protection; and Web Security.

Information Technology
Terminology

The Brainbench Information Technology Terminology test measures your knowledge of the terms associated within the IT industry. Designed for all IT professionals, this test covers the following topics: Data Communications, Data Security, Data Storage and Practices, IT Management, Internet and WWW Standards and Practices, Network Topology, Operating Systems Standards and Practices, PC Hardware, and Portable Storage.

Informix 7.X Administration

The Brainbench Informix 7.X Administration test measures your knowledge of administering Informix 7.X databases. Designed for experienced administrators, this test covers the following topics: Backup and Recovery, Configuration, Database Administration, Installation, Logging, Monitoring Activity, Performance Management, Resource Management, and Server Administration.

Internet Concepts

The Brainbench Internet Concepts (U.S.) test measures your knowledge of the Internet's architecture, protocol, and tools. Designed for all Internet professionals, this test covers the following topics: Addressing, Application Protocols, Architecture, Design, TCP/IP, and the World Wide Web.

Internet Industry Knowledge

The Brainbench Internet Industry Knowledge test measures your knowledge of the Internet industry. Designed for individuals with broad knowledge of the industry and its trends, this test covers the following topics: Browsers, Ecommerce, General Knowledge, Internet Access, Internet Companies, Legal, Marketing, and Search Engines.

Internet Security

The Brainbench Internet Security test measures your knowledge of secure operations over the Internet through various protocols. Designed for experienced network administrators, this test covers the following topics: Communications, Electronic Mail, Encryption, Firewalls, Identification and Authentication, Malicious Programs, Security Management, Threats, and World Wide Web.

Internet Technology
Fundamentals

The Brainbench Internet Technology Fundamentals test measures your knowledge of essential key concepts of the Internet, Extranet, and Intranet. Designed for all technical professionals, this test covers the following topics: Client Description/Configuration, E-Commerce Technology, Fundamental Concepts, Groups and Lists, Internet Terminology/Standards, Messaging, Networking and Infrastructure, Programming and Development, Security, Security Issues and SSL, Server Configuration/Technologies, and Troubleshooting.

IP Routing & Switching

The Brainbench IP Routing and Switching test measures your knowledge of the protocols and concepts used by routers switches employing Internet protocol. Designed for experienced WAN engineers, this test covers the following topics: Advanced Routing Topics, General Knowledge, IP Addressing, IP Multicast, IP Routing Protocols, and Layer 2 Switching.

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ISDN (North America/Japan)	Our ISDN test measures your knowledge of the integrated services digital network telecommunications standard. Designed for experienced network professionals, this test covers the following topics: General Knowledge, ISDN Layers, ISDN Service, ISDN Setup, and Troubleshooting.
ITAA Information Security Awareness	The Brainbench Information Technology Association of America (ITAA) Information Security Awareness test measures your knowledge of information security. Designed for general computer users, this test includes the following topics: Computer Best Practices, Computer Ethics & Misuse, ID & Data Information Theft, Internet Best Practices, Passwords, Physical Security, Sensitive Information, and Viruses & Other Harmful Software.
ITIL Concepts	The Brainbench ITIL Concepts test measures your knowledge of ITIL. Designed for the individual who has taken a foundation level course or worked in an environment that employs ITIL practices, this test includes the following topics: Availability Management, Capacity Management, Change Management, Configuration Management, Financial Management for IT Services, IT Service Continuity Management, Incident Management & Service Desk, Problem Management, Release Management, Service Level Management.
J.D. Edwards OneWorld Report Design (ERW)	The Brainbench J.D. Edwards OneWorld (ERW) test measures your knowledge of the Enterprise Report Writer module. Designed for experienced report writers and designers, this test includes the following topics: Sections, Report Design Director, Modifying Reports, Headers/Footers, Setting up Business Views as Favorites, Joining Subsections, Versions, Event Rules, Submitting and Printing Reports, and Tabular Section.
Java - EJB	The Brainbench Java - Enterprise Java Beans (EJB) test measures your knowledge of programming using Enterprise Java Beans. Designed for experienced programmers, this test covers the following topics: Architecture, Deployment, Design, Development, Entity Beans, Isolation, Session Beans, and Transactions.
Java - EJB 2.0	The Brainbench Java - Enterprise Java Beans (EJB) 2.0 test measures your knowledge of programming using Enterprise Java Beans. Designed for experienced programmers, this test includes the following topics: Architecture, Deployment/Integration, Design, Development, Entity Beans/BMP, Entity Beans/C, Message-Driven Beans, Security, Session Beans, and Transactions.
Java - EJB 2.0 Fundamentals	The Brainbench Java - EJB 2.0 test measures your knowledge of programming using Enterprise Java Beans 2.0. Designed for entry-level programmers, this test covers the following topics: Architecture, Deployment/Integration, Design, Development, Entity Beans/BMP, Entity Beans/CMP, Message-Driven Beans, Session Beans, and Transactions.
Java 2	The Brainbench Java 2 test measures your knowledge of programming in Java 2. Designed for experienced programmers, this test covers the following topics: Applets, Collections API, Database Programming, Enterprise Features, Exceptions, Fundamentals, Graphics Programming, Input Method Framework, Internationalization, Java Beans, Java IDL, JDBC, JFC, Language Fundamentals, Networking, Programming, Reference Objects, RMI, Security, Standard Packages, and Threads.
Java 2 - GUI	The Brainbench Java 2 - GUI test measures your knowledge of developing Graphical User Interfaces using Java 2. Designed for experienced programmers, this test covers the following topics: Advanced, Intermediate, and Beginning GUI, Jtree, Event Handling, Graphics/Images, and Layout Managers.
Java 2 - Non-GUI	The Brainbench Java 2 - Non-GUI test measures your knowledge of developing back end applications using Java. Designed for experienced programmers, this test covers the following topics: Class Definition, Math and String Operations, Networking, Object-Oriented Programming, Standard I/O, Syntax, The Java Runtime, Threads, and Utility Libraries.

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Java 2 Fundamentals	The Brainbench Java 2 Fundamentals test measures your basic knowledge of programming in Java 2. Designed for new programmers, this test covers the following topics: Common Packages, Data Manipulation, Flow of Control, Java Basics, OO Basics in Java and Java Fundamentals, Runtime, and Threads. This test covers J2SE 1.2 and 1.3
Java 2 Platform Enterprise Edition (J2EE)	The Brainbench Java 2 Platform, Enterprise Edition (J2EE) test measures your knowledge of the J2EE architecture. Designed for Java programmers and architects, this test includes the following topics: J2EE 1.3.1 Architecture, Enterprise Java Beans (EJB 2.0), JDBC 2.0, J2EE Clients, JavaMail 1.2, Java Naming and Directory Interface (JNDI 1.2.1), XML, and Distributed Computing Application Development.
Java 2 Platform Enterprise Edition (J2EE) 1.4	The Brainbench Java 2 Platform, Enterprise Edition (J2EE)1.4 test measures your knowledge of the J2EE architecture. Designed for Java programmers and architects, this test includes the following topics: Business Component Development, J2EE 1.4 Architecture, J2EE Clients, JAXP 1.2, JDBC 3.0, JMS 1.1, Java Naming and Directory Interface (JNDI 1.2.1), JavaMail 1.3, Web Service Development
Java 2 Platform Micro Edition (J2ME)	The Brainbench Java 2 Platform, Micro Edition (J2ME) test measures your knowledge of J2ME. Designed for Java programmers, architects, software engineers, and consultants, this test includes the following topics: CDC, MIDP/CLDC: MIDlet, MIDP/CLDC: Network Connections, MIDP/CLDC: Overview, MIDP/CLDC: Persistent Storage, MIDP/CLDC: UI, and Optimization Strategies.
Java 5	The Brainbench Java 5 test measures your knowledge of programming in Java 5. Designed for experienced programmers, this test covers the following topics: Support Libraries, Core Libraries, Integration Libraries, Java Language, Media Programming, Tools, User Interface Libraries and Virtual Machine. This test covers J2SE 1.2 through 1.5.
Java 5 Fundamentals	The Brainbench Java 5 Fundamentals test measures your basic knowledge of programming in Java 5. Designed for entry-level programmers, this test covers the following topics: Classes, I/O and Networking, Language Concepts, Language and Math Packages, Object-Oriented Programming, Syntax, The Java Runtime and Deployment Tools, Threading Theory and Utility Libraries. This test covers J2SE 1.2 through 1.5.
Java Server Pages (JSP 1.1)	The Brainbench Java Server Pages (JSP 1.1) test measures your knowledge of programming JSPs. Designed for web programmers and designers with experience in JSP 1.1, this test covers the following topics: Fundamentals, Application Delivery, JSP 1.1, Scripting, and Servlet API 2.2.
Java Server Pages (JSP 1.2)	The Brainbench Java Server Pages (JSP 1.2) test measures your knowledge of programming JSPs. Designed for Web programmers and designers with experience in JSP 1.2, this test covers the following topics: Developing Custom Tags, Filters, JavaBeans, JSP Fundamentals, Servlet Fundamentals, Using Custom Tags, Web Application Deployment, Web Application Fundamentals, and Web Application Security.
Java Server Pages (JSP 2.1)	The Brainbench Java Server Pages (JSP 2.1) test measures your knowledge of programming JSPs. Designed for experienced web programmers and designers; this test covers the following topics: Custom Tag Development, JSP Model, Page Development, Servlet Development, Servlet Model, Tag Libraries, Tag Usage, Web Application Security and Web Applications.
Java XML Technologies	The Brainbench Java XML Technologies test measures your knowledge of the Java API for XML Processing. Designed for experienced Java developers, software engineers, and Web architects, this test includes the following topics: DOM API - Navigation, DOM API - Reading, DOM API - Writing, JAXP API - Processing, JAXP API - Transform, Other APIs, SAX 2 API - Error Handling, and SAX 2 API - Parsing. This test covers J2SE 1.2 and 1.3

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- Javascript** The Brainbench JavaScript 1.2 test measures your knowledge of programming using JavaScript. Designed for experienced programmers, this test covers the following topics: Components, Controlling Windows, Documents, Events and Event Handlers, Functions, Integration with Other Technologies, Objects, Operators/Variables, Statements, Working with Forms, and Working with Frames.
- JavaScript 1.5** The Brainbench JavaScript 1.5 test measures your knowledge of programming using JavaScript. Designed for experienced developers this test includes the following topics: Basic JavaScript, Flow Control, Functions, Core Objects, Objects, Events and Event Handling, Working with HTML, Regular Expressions, and General JavaScript.
- JavaScript 1.5 Fundamentals** The Brainbench JavaScript 1.5 Fundamentals test measures your knowledge of programming using JavaScript 1.5. Designed for entry-level developers this test includes the following topics: Basic JavaScript, Core Objects, Events and Event Handling, Flow Control, Functions, General JavaScript, Regular Expressions, and Working with HTML.
- JCL** The Brainbench Job Control Language test measures your knowledge of programming using JCL. Designed for experienced programmers, this test covers the following topics: Basic Formatting, Data Management, Input/Output, JES2/JES3 Control Statements, Parameters, Statements, Troubleshooting, and Utilities.
- LAN/WAN Communications** The Brainbench Local Area Network/Wide Area Network Communications test measures your knowledge of LAN/WAN protocols and architecture. Designed for experienced network administrators, this test covers the following topics: AppleTalk, Bandwidth Management, Bridging vs. Routing, IP Addressing, IPX Addressing, OSI Model, Routing Protocols, Troubleshooting, WAN Types and Topologies.
- Linux Administration (General)** The Brainbench Linux Administration (General) test measures your knowledge of the key issues and concepts of administering in a Linux environment. This is our core Linux Administration test and is focused on the general aspects of Linux that span all Linux variations. Designed for experienced system administrators, this test covers the following topics: Configuration and Administration, Heterogenous Environments, Installation, Kernel Customization, Managing Applications, Networking, Performance and Accounting, and Security.
- Linux Administration (Red Hat9)** The Brainbench Linux Administration (Red Hat 9) test measures your knowledge of the Red Hat 9 implementation of Linux. This test covers Red Hat 9 as well as Red Hat Enterprise Linux (RHEL) questions. We recommend individuals seeking to certify their core Linux skills complete our Linux Administration (General) test. Designed for experienced administrators, this test covers the following topics: Automation, Deployment & Planning Administration, Installation, Local Security, Network Security, Networking, Red Hat Enterprise Linux, Storage, System Administration, and Xfree86.
- Linux Administration (Red Hat)** The Brainbench Linux Administration (Red Hat) test measures your knowledge of the Red Hat implementation of Linux. This test covers general Linux questions; we recommend individuals seeking to certify their core Linux skills complete our Linux Administration (General) test. Designed for experienced administrators, this test covers the following topics: Administration, Desktop Environment, General Issues, Installation, Networking, and Security.
- Linux Administration (SuSE)** The Brainbench Linux Administration (SuSE) test measures your knowledge of the SuSE implementation of Linux. This test covers general Linux questions; we recommend individuals seeking to certify their core Linux skills complete our Linux Administration (General) test. Designed for experienced administrators, this test covers the following topics: Administration, Installation/Configuration, and Security.
- Linux Programming (General)** The Brainbench Linux Programming (General) test measures your knowledge of programming in a Linux environment. Designed for experienced

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programmers, this test covers the following topics: AutoConf/AutoMake, Makefiles, C Programming, C++, Debugging Programs, Linux Programming Concepts, Platform Independence, Revision Control, RPC/CORBA, and X Programming.

LoadRunner 7.x The Brainbench LoadRunner 7.x test measures your knowledge of the Mercury Interactive LoadRunner software. Designed for experienced technical managers and engineers, this test covers the following topics: C Language Functions, Controller - Key Topics, LoadRunner Architecture, Monitoring Scenario, Plan Load Test, Results Analysis, Supported Technologies, and VuGen Functionality.

Lotus Domino R5 Programming The Brainbench Lotus Domino R5 Programming test measures your knowledge of programming in a Lotus Domino R5 environment. Designed for experienced programmers, this test covers the following topics: Application Planning, Basic Web Design, Core Concepts, Data Access, Database, Design Elements, Expressions, Formulas, Security/Database, Security/Programmed, and Workflow Design.

Lotus Freelance Graphics 9.5 The Brainbench Lotus Freelance Graphics 9.5 test measures your knowledge of Lotus Freelance Graphics 9.5. Designed for experienced users, this test covers the following topics: Basics, Charting, Creating a Presentation, Enhancements, Graphics, Objects, Printing, SmartMasters, Symbols/Pictures, Tables, and Text.

Lotus Notes 4.0 Administration The Brainbench Lotus Notes 4.0 Administration test measures your knowledge of administering a Lotus Notes 4.0 installation. Designed for experienced network administrators, this test covers the following topics: Domino Server, Infrastructure Design and Planning, Installation and Setup, Name and Address Book, Notes Infrastructure, Notes Networking, Notes Security, and Notes Server Administration.

Lotus Notes 4.0 Programming The Brainbench Lotus Notes 4.0 Programming test measures your knowledge of programming using Lotus Notes 4.0. Designed for experienced programmers, this test covers the following topics: Agents, Designs, Forms, General, LotusScript, Securing Applications, Troubleshooting, Troubleshooting Views, and Web.

Lotus Notes 6.5 Administration The Brainbench Lotus Notes 6.5 Administration test measures your knowledge of administering a Lotus Notes 6.5 installation. Designed for experienced network administrators, this test covers the following topics: Administration, Configuration, Database Management, Directory Services, Installation, Mail and Directory Migration, Security, Troubleshooting and Reference, and Web Servers.

LotusScript R5 Programming The Brainbench LotusScript R5 Programming test measures your knowledge of programming LotusScript. Designed for experienced programmers, this test covers the following topics: Agents, Classes New to R5 or R4.6, Data Structures, Domino Object Model, Error Handling, Expressions and Operators, Interacting with the User, Procedures, Program Flow Control, Reaching Beyond Notes, User-Defined Data Types and Classes, Working with Databases, and Working with Documents.

Macintosh Networking The Brainbench Macintosh Networking Test measures your knowledge of administering a Macintosh-based local area network. Designed for experienced network administrators, this test covers the following topics: General Networking, AppleTalk, AppleShare IP/Apple Remote Access, Local Talk, TCP-IP, LAN Technologies, and WAN Technologies.

Macintosh OS X 10.2 Desktop Administration The Brainbench Macintosh OS X 10.2 Desktop Administration test measures your ability to administer a desktop computer running Macintosh's OS X 10.2 operating system. Designed for experienced system administrators, this test includes the following topics: Application Environments; File Management; File

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Sharing; Network; Network Troubleshooting; Peripherals, Printing, & Fonts; User Accounts & Permission; Workstation Setup, Customization, & Usage; and Workstation Troubleshooting.

- Macromedia Director 7 The Brainbench Macromedia Director 7 test measures your knowledge of the Macromedia Director software. Designed for experienced users, this test covers the following topics: Casts, Digital Video and Interactive Media, Graphics and Text, Interactivity, Lingo, Optimizing and Outputting Movies, Scores, Sound, and Stages.
- Macromedia Director 8 The Brainbench Macromedia Director 8 test measures your knowledge of Macromedia's Director software. Designed for experienced users, this test includes the following topics: Cast, Digital Video and Interactive Media, Graphics and Text, Interactivity, Lingo, Optimizing and Outputting Movies, Score, Sound, and Stage.
- Macromedia Director MX 2004 The Brainbench Macromedia Director MX 2004 test measures your knowledge of Macromedia's Director software. Designed for experienced users, this test includes the following topics: 3D, Flash, Lingo / JavaScript, MX Interface, Media, Movies In A Window (MIAW), Programming Environment, Project Delivery
- Macromedia FreeHand 9 The Brainbench Macromedia FreeHand 9.0 test measures your knowledge of the features of this vector-drawing tool. Designed for experienced designers, this test covers the following topics: Document Window; Organization; Drawing; Perspective; Modifying Shape and Position; Modifying Objects; Modifying Attributes; Color, Strokes and Fills; Symbols and Instances; Layers; Text; Templates; Printing; and Working with Other Applications.
- MPEG Concepts The Brainbench Moving Picture Experts Group (MPEG) Concepts test measures your knowledge of creating and working with MPEG. This test covers mostly MPEG-1 thru MPEG-4 and the concepts of each standard. Designed for anyone involved with MPEG, this test covers the following topics: Codecs, Compression, Bandwidth, and Media Formats.
- MS Access 2000 Programming The Brainbench MS Access 2000 Programming test measures your knowledge of database development using MS Access 2000. Designed for experienced programmers, this test covers the following topics: Client-Server Development, Data Manipulation, Design Concepts, Internet Development, Multi-User Issues, User Interface, and VBA.
- MS Access 97 Programming The Brainbench MS Access 97 Programming test measures your knowledge of database development using MS Access 97. Designed for experienced programmers, this test covers the following topics: Controls, Database Design, Deployment, Forms, Macros, Multi-User Applications, Queries, Replication, Reports, Tables, and VBA.
- MS Commerce Server 2002 The Brainbench MS Commerce Server 2002 test measures your knowledge of developing, installing and administering MS Commerce Server 2002. Designed for experienced developers, this test includes the following topics: Business Desk, Business Solicitation, Catalogs, Installation/Setup, Security, Site Administration, Site Analytics, and Site Development.
- MS Exchange Server 2000 Administration The Brainbench MS Exchange Server 2000 Administration test measures your ability to administer Microsoft's Exchange 2000 groupware software. Designed for experienced network administrators, this test includes the following topics: Configuring and Managing Resource Access, Installation and Configuration, Monitoring and Optimization, Planning, Server Administration, and Troubleshooting.
- MS Exchange Server 2003 Administration The Brainbench MS Exchange Server 2003 Administration test measures your ability to administer Microsoft's Exchange 2003 groupware software. Designed for experienced network administrators, this test includes the following topics: Connections; Exchange 2003 Design; Exchange Clients;

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Installation and Migration; Maintenance, Monitoring, and Optimization;
Recipient Configuration; Security; Storage; and Troubleshooting.

**MS Exchange Server 5.5
Administration**

The Brainbench MS Exchange Server 5.5 Administration test measures your ability to administer Microsoft's Exchange 5.5 groupware software. Designed for experienced network administrators, this test covers the following topics: Configuring and Managing Resource Access, Installation and Configuration, Monitoring and Optimization, Planning, Server Administration, and Troubleshooting.

MS Front Page 2000

The Brainbench MS Front Page 2000 test measures your knowledge of developing Web sites using Microsoft's Front Page 2000. Designed for experienced developers, this test covers the following topics: Creating and Managing Webs; Creating Tables and Forms; Creating Web Pages; FP Client Compatibility; Front Page Components; General Knowledge; Media; Publishing Web Sites; Site Analysis, Design, and Maintenance; Templates, Wizards, Tasks, and Frames; Web Servers, Server Management, and Server Extensions; and Web Technologies.

**MS Internet Explorer 4.0
Administration**

The Brainbench MS Internet Explorer 4.0 Administration test measures your knowledge of MS Internet Explorer 4.0 administration. Designed for experienced users and system administrators, this test covers the following topics: Active Desktop, Components, Configuration, DNS, HTML Layer, Installation Options, Internet Explorer Administration Kit, Internet Services, IP Configuration Issues, NetMeeting, OSI Model, Requirements, Security, TCP/IP Addressing, and Troubleshooting.

**MS Internet Explorer 6.0
Administration**

The Brainbench MS Internet Explorer 6.0 Administration test measures your knowledge of MS Internet Explorer 6.0 Administration. Designed for experienced users and system administrators, this test includes the following topics: Browser, Configuration, Customization, IEAK, Installation, Internet Browsing, Outlook Express, Security and Privacy, and Troubleshooting.

**MS Internet Information Server
4.0 Administration**

The Brainbench MS Internet Information Server 4.0 Administration test measures your knowledge of the process to administer Microsoft's Internet Information Server. Designed for experienced Web Administrators, this test focuses on the specifics of the MS Internet Information Server rather than broader concepts covered in the Web Server Administration test. This test covers the following topics: Configuration/Management of Resource Access, Installation/Configuration of IIS 4.0, Integration/Interoperability, Monitoring/Optimization, Planning, and Troubleshooting.

**MS Internet Information Server
5.0 Administration**

The Brainbench MS Internet Information Server 5.0 Administration test measures your knowledge of the process to administer Microsoft's Internet Information Server. Designed for experienced Web Administrators, this test focuses on the specifics of the MS Internet Information Server rather than broader concepts covered in the Web Server Administration test. This test covers the following topics: Architecture, Computer Hardware, Internet Services, Networking, Resource Availability, TCP/IP, Web Development Languages, Windows DNA, and Windows System Administration.

**MS ISA Server 2000
Administration**

The Brainbench MS ISA Server 2000 Administration test measures your ability to administer a server running Microsoft's ISA Server 2000. Designed for experienced network administrators, this test covers the following topics: Caching, Client Installation, Installation, Monitoring and Reporting, Rules and Policies, Server Publishing, Structure and Security Concepts, and Troubleshooting.

**MS Outlook 2000
Administration**

The Brainbench MS Outlook 2000 Administration test measures your knowledge of MS Outlook 2000 administration. Designed for experienced users and system administrators, this test covers the following topics: Address Books, Advanced Topics, Feature Usage, File Functions, Folder Views,

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Programming, and Setup and Troubleshooting.

**MS Proxy Server 2.0
Administration**

The Brainbench MS Proxy Server 2.0 Administration test measures your ability to administer a server running Microsoft's Proxy Server 2.0. Designed for experienced network administrators, this test covers the following topics: Client Configurations, Network Security, and Proxy Components/Installations/Monitoring.

**MS SharePoint Portal Server
2003**

The Brainbench SharePoint Portal Server 2003 test measures your knowledge of SharePoint Portal Server 2003. Designed for experienced users, this test covers the following topics: Architecture, Information Management Maintenance, Microsoft Office 2003 Integration, Planning and Deployment & Deployment Scenarios, Security, and Sharepoint Portal Server 2003 Administration.

**MS Site Server 3.0
Administration**

The Brainbench MS Site Server 3.0 Administration test measures your ability to manage your intranet using Microsoft Site Server 3.0. Designed for experienced Network Administrators, this test covers the following topics: Ad Server, Administration, Commerce Server, Content, Logging, SQL, and Database.

**MS SQL Server 2000
Administration**

The Brainbench MS SQL Server 2000 Administration test measures your knowledge of administering Structured Query Language Server 2000 databases. Designed for experienced administrators, this test covers the following topics: Architecture, Automating Tasks, Backup and Restore, Data Services, Databases, Indexes, Installation, Locking, Multiple Server Environment, Performance, Security, and Transact SQL.

**MS SQL Server 2000
Programming**

The Brainbench MS SQL Server 2000 Programming test measures your knowledge of database development using Structured Query Language Server 2000. Designed for experienced programmers, this test covers the following topics: Architecture, Constraints, Enterprise Features, Indexes, Performance, Queries, Referential Integrity, Stored Procedures, Transact SQL, Transactions, Triggers, and Views.

**MS SQL Server 2005
Programming**

The Brainbench MS SQL Server 2005 Programming test measures your knowledge of database development using MS SQL Server 2005. Designed for experienced programmers, this test covers the following topics: Architecture, Indexes, Performance, Queries, Referential Integrity, Stored Procedures, Transact SQL, Triggers, and Views.

**MS SQL Server 6.5
Administration**

The Brainbench MS SQL Server 6.5 Administration test measures your knowledge of administering Structured Query Language Server 6.5 databases. Designed for experienced administrators, this test covers the following topics: Architecture, Backup/Restore, BCP, Constraints, Defaults, Indexes, Locking, Monitoring, Objects, Optimizer, Performance, Rules, Security Administration, Storage Structures, Stored Procedures, System Configuration, Transact SQL, Transactions, Triggers, and Views.

**MS SQL Server 6.5
Programming**

The Brainbench MS SQL Server 6.5 Programming test measures your knowledge of database development using Structured Query Language Server 6.5. Designed for experienced programmers, this test covers the following topics: Architecture; Constraints, Locking, and Views; Cursors and Indexes; Defaults and Rules; Storage Structures; Stored Procedures; Transact SQL; Transactions; and Triggers.

**MS SQL Server 7
Administration**

The Brainbench MS SQL Server 7 Administration test measures your knowledge of administering Structured Query Language Server 7 databases. Designed for experienced administrators, this test covers the following topics: Architecture, Automating Tasks, Backup and Restore, Databases, Indexes,

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Installation, Locking, Multiple Server Environment, Performance, Security, and Transact-SQL.

MS SQL Server 7 Programming

The Brainbench MS SQL Server 7 Programming test measures your knowledge of database development using Structured Query Language Server 7. Designed for experienced programmers, this test covers the following topics: Architecture, Indexes, Performance, Queries and Views, Stored Procedures, Transact-SQL, Transactions, Triggers, and Cursors.

MS Systems Mgmt. Server 2.0 Administration

The Brainbench MS Systems Mgmt. Server 2.0 Administration test measures your ability to administer a server running Microsoft's Systems Management Server 2.0. Designed for experienced network administrators, this test covers the following topics: Basics, Client Configuration, Distributing Software, Infrastructure, Installation and Configuration, Integration and Interoperability, Monitoring and Optimizing, Planning, and Troubleshooting.

MS Visual InterDev 6.0

The Brainbench MS Visual InterDev 6.0 test measures your knowledge of Web page development using Visual InterDev 6.0. Designed for experienced Web developers, this test covers the following topics: ADO, ASP, COM, Database, Debugging, Deployment, Design Time Controls, Files Types, HTML, IDE, Installation, Source Control, VBScript/Jscript, Web Server, and Wizards.

MS Windows 2000

The Brainbench MS Windows 2000 test measures your knowledge of Microsoft's Windows 2000 Operating System. Designed for experienced power users, this test covers the following topics: Windows 2000 Architecture, Configuring Windows 2000, Troubleshooting, Networking, Utilities, Security, Printers, and Multimedia.

MS Windows 2000 Active Directory

The Brainbench MS Windows 2000 Active Directory test measures your knowledge of MS Windows 2000 Active Directory. Designed for experienced system engineers and administrators, this test includes the following topics: Concepts, Group Policy, Installation & Configuration, Management, Operations, Planning, and Troubleshooting.

MS Windows 2000 Desktop Administration

The Brainbench MS Windows 2000 Desktop Administration test measures your ability to administer a desktop computer running Microsoft Windows 2000. Designed for experienced system administrators, this test covers the following topics: Administration, Control Panel, Desktop, File Systems, Networking, Security, and Troubleshooting.

MS Windows 2000 Migration

The Brainbench MS Windows 2000 Migration test measures your ability to migrate a network to Microsoft Windows 2000 from previous versions of Microsoft Windows. Designed for experienced network administrators, this test covers the following topics: Concepts-95/98 to 2000, Concepts-NT to 2000, Implementing-NT to 2000, Installation-95/98 to 2000, Installation-NT to 2000, Migration-NT to 2000, Planning-95/98 to 2000, and Planning-NT to 2000.

MS Windows 2000 Server Administration

The Brainbench MS Windows 2000 Server Administration test measures your knowledge to administer a server running Microsoft's Windows 2000 operating system. Designed for experienced system administrators, this test covers the following topics: Active Directory, Disks and File Systems, Installation, Maintenance, Migration, Networking, Security, Server Administration, Server Configuration, and Troubleshooting.

MS Windows 2003 Active Directory

The Brainbench MS Windows 2003 Active Directory test measures your knowledge of MS Windows 2003 Active Directory. Designed for experienced system engineers and administrators, this test includes the following topics: Core Technologies, Group Policy, Install and Configure, Management, Planning, Security, and Troubleshooting.

MS Windows 95 Administration

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The Brainbench MS Windows 95 Administration test measures your ability to administer a computer running Microsoft's Windows 95 operating system. Designed for experienced network administrators, this test covers the following topics: General Knowledge, Basic Configuration, Advanced Configuration Issues, Basic Network Concepts, Hardware Concepts, Hardware Devices, Installing and Using Windows, Printers, System Administration and Network Configuration, Troubleshooting, and Working with Disks.

MS Windows 98 Administration

The Brainbench MS Windows 98 Administration test measures your ability to administer a computer running Microsoft's Windows 98 operating system. Designed for experienced network administrators, this test covers the following topics: Configuring Win98, General Knowledge, Networking, Printers, System Administration, Troubleshooting, Utilities, and Win98 Architecture.

MS Windows Me Administration

The Brainbench MS Windows Me (Millennium Edition) Administration certification measures your ability to administer a desktop computer running Microsoft Windows Millennium. Designed for experienced network administrators, this test covers the following topics: Configuring Me, Networking, System Administration, Multimedia, Windows Me Architecture, Troubleshooting, and Registry.

MS Windows NT 4.0 Administration

The Brainbench MS Windows NT 4.0 Administration test measures your ability to administer a server running in the Microsoft Windows NT 4.0 operating system. Designed for experienced system administrators, this test covers the following topics: Account Administration, Architecture, Boot Process, Directory Replication, Directory Services, Group Administration, Installation, Network Services, NT Administration Tools, Permissions, Registry, System Policies, TCP/IP, and User Profiles. Standard

MS Windows NT 4.0 Workstation Administration

The Brainbench MS Windows NT 4.0 Workstation Administration test measures your ability to administer a workstation running in the Microsoft Windows NT 4.0 operating system. Designed for experienced system administrators, this test covers the following topics: Architecture, Basic Features, Installation, Networking, System Administration, Troubleshooting, and Winnt Security.

MS Windows Server 2003 Administration

The Brainbench MS Windows Server 2003 Administration test measures your knowledge of administering a server running Microsoft's Windows Server 2003 operating system. Designed for experienced network administrators, this test covers the following topics: Active Directory, Disks and File Systems, Installation, Maintenance, Migration, Networking, Security, Server Administration, and Troubleshooting.

MS Windows XP Desktop Administration

The Brainbench MS Windows XP Desktop Administration test measures your ability to administer a desktop computer running Microsoft Windows XP. Designed for experienced network administrators, this test covers the following topics: Control Panel, Desktop, File Systems, Installation, Internet, Management, Networking, Security, System Maintenance and Optimization, and Troubleshooting.

Multiple Virtual Storage (MVS)

The Brainbench Multiple Virtual Storage (MVS) test measures your knowledge of programming in an IBM Multiple Virtual Storage environment. Designed for experienced programmers and administrators, this test covers the following topics: System Abends, Job Control Language, Data Structures, Data Management, and TSO.

MUMPS

The Brainbench Massachusetts General Hospital Utility Multiprogramming System test measures your knowledge of programming in MUMPS. Designed for experienced programmers, this test covers the following topics: Data Structures, Error Processing, M System Model, Routines, and User Interface.

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MySQL 3.23 Administration	This test measures your knowledge of MySQL 3.23 Administration. Designed for the experienced administrators, this test covers the following topics: Administrative Program Usage, Disaster Prevention, Installation & Configuration, Interfacing with Other Products, Security, SQL Usage - Data Manipulation, SQL Usage - Other, SQL Usage - Table & Administrative, and Table & Data Types.
Natural	The Brainbench Natural 2.3.1 test measures your knowledge of programming in Natural. Designed for experienced programmers, this test covers the following topics: Break Processing, Calls, Conditional Processing, Copycode, Database Access, Define Data, Inputting Data, Mathematical Operations, Natural Fundamentals, Non-database File Access, Outputting Data, String Operations, and Subroutines.
Network Authentication	The Brainbench Network Authentication test measures your knowledge of authentication protocols, policies, and configuration and audit techniques. Designed for experienced network administrators, this test includes the following topics: Authentication Methods, Encryption, Network Design and Architecture, Protocols, Risk Mitigation, User Accounts, Virtual Private Networking (VPN), and Web Server Authentication.
Network Monitoring	The Brainbench Network Monitoring test measures your knowledge of the core aspects of monitoring and troubleshooting networks. Designed for experienced network administrators, this test covers the following topics: Architecture and Terminology; SNMP Background, Components and Commands; RMON Background, Components and Commands; Other Monitoring and Troubleshooting Tools; System Design and Implementation; and Using SNMP and RMON Tools.
Network Security	The Brainbench Network Security test measures your knowledge of the technical issues involved in maintaining network security. Designed for experienced network administrators, this test covers the following topics: General Knowledge, Communications, Firewalls and Gateways, Intruder Management, and Intrusion Detection.
Network Technical Support	The Brainbench Network Technical Support test measures your knowledge of setup, configuration and maintenance of a local area network. Designed for technicians with hands on-experience, this test covers the following topics: Administration, Desktop Software, Hardware/Media, Internetworking, Support, and TCP/IP.
Networking Concepts	The Brainbench Networking Concepts test measures your knowledge of the core aspects of local area networks, whether Windows NT or Novell. Designed for experienced network administrators, this test covers the following topics: Administration, Design, LAN Topologies, Network Devices, Network OS, Network Standards, Protocol Stacks, Routing Protocols, Troubleshooting, and WAN Topologies.
Novell GroupWise 5.5 Administration	The Brainbench Novell GroupWise 5.5 Administration test measures your ability to administer Novell's GroupWise 5.5 groupware software. Designed for experienced network administrators, this test covers the following topics: Document Management, GroupWise Client, GroupWise Structure, Net Access and Connectivity, Preparation, Server Installation and Configuration, Systems Maintenance, and User Administration.
Novell NetWare 4.11 Administration	The Brainbench Novell NetWare 4.11 Administration test measures your ability to administer a network running Novell's NetWare 4.11 network operating system. Designed for experienced network administrators, this test covers the following topics: Administration, Directory Services, Installation and Configuration, Login, Partitions and Replicas, Printing, Security, Server Management, Time Synchronization, and Utilities,
Novell NetWare 5.0 Administration	The Brainbench Novell NetWare 5.0 Administration test measures your ability to administer a network running Novell's NetWare 5.0 network operating system. Designed for experienced network administrators, this test covers the

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following topics: Administration, Backup Services, Directory Services, Installation and Configuration, Login, Partitions and Replicas, Printing, Security, Server Management, Time Synchronization, Utilities, and ZEN Works.

Novell NetWare 6.5 Administration

The Brainbench Novell NetWare 6.5 Administration test measures ability to administer a network running Novell's NetWare 6.5 network operating system. Designed for experienced network administrators, this test covers the following topics: Installation, Management Tools, Managing Objects, Managing Storage, Security, Server Management, Services, eDirectory.

Nuance Voice User Interface (VUI) Design

The Brainbench Nuance Voice User Interface (VUI) Design test measures your knowledge of VUI Design. Designed for experienced designers, this test includes the following topics: Design Practices, Design Principles, Dialog Strategies, Dialog Task, Grammar Development, Message Writing, Requirements, Sound and Feel, Testing and Analysis, and Usability.

On-Line Analytical Processing (OLAP)

The Brainbench OnLine Analytical Processing (OLAP) test measures your knowledge of OLAP. Designed for experienced programmers, this test covers the following topics: Calculations, Data Modeling, Database Design, Dimensions, Hierarchies, Member, Optimization, Relational, and Basic Knowledge.

OO Concepts

The Brainbench OO Concepts test measures your knowledge of the most important aspects of object-oriented programming. Designed for both programmers and administrators, this test covers the following topics: Architectures/Programming, Classes and Objects, Design, GUIs and Class Libraries, Languages, Persistence and Concurrency, and Process and Practices.

OO Design Patterns

The Brainbench OO Design Patterns test measures your knowledge of working with and employing design patterns. Designed for experienced object oriented programmers, this test covers the following topics: GoF Patterns, Architectural Patterns, Language Specific Patterns, Persistence Patterns, and Distributed Patterns.

OpenVMS

The Brainbench Open Virtual Memory System (VMS) test measures your ability to administer a computer running the OpenVMS operating system. Designed for experienced system administrators, this test covers the following topics: Backup, Managing Peripherals, Managing Storage Devices, Managing Storage Media, Managing User Accounts, Networking, OpenVMS Management, OpenVMS OS Customization, OpenVMS Startup/Shutdown, OpenVMS Upgrade/Installation, Queue Management, Security, and using Files/Directories.

Oracle 10g Administration

The Brainbench Oracle 10g Administration test measures your knowledge of administering Oracle 10g databases. Designed for experienced Oracle Database Administrators, Data Modelers and Data Architects. This test includes the following topics: 10g Enhancements Administration, Architecture, Backup and Recovery, High Availability, Managing Objects, Monitoring, Networking, Security, Tuning.

Oracle 7.0 Administration

The Brainbench Oracle 7.0 Administration test measures your knowledge of administering Oracle 7.0 databases. Designed for experienced administrators, this test covers the following topics: Architecture, Backup and Recovery, DBA Basics, and Tuning.

Oracle 8.0 Administration

The Brainbench Oracle 8.0 Administration test measures your knowledge of administering Oracle 8.0 databases. Designed for experienced administrators, this test covers the following topics: Architecture, Backup and Recovery, DBA Basics, Net8, RDBMS, SQL and PL/SQL, and Tuning and Troubleshooting.

Oracle 8i Administration

The Brainbench Oracle 8i Administration test measures your knowledge of administering Oracle 8i databases. Designed for experienced administrators, this test covers the following topics: Administration, Architecture, Backup and Recovery, Data Integrity, Networking, New 8i Features, Security, SQL and

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PL/SQL, Tools/Utilities, and Tuning.

Oracle 9i Administration	The Brainbench Oracle 9i Administration test measures your knowledge of administering Oracle 9i databases. Designed for experienced Oracle Database Administrators, Data Modelers and Data Architects, this test includes the following topics: Administration, Managing Objects, Networking, Tools/Utilities, High Availability, Replication, 9i Enhancements, Security, Architecture, Backup and Recovery, Tuning, and Partitioning.
Oracle Designer 6i	The Brainbench Oracle Designer 6i test measures your knowledge of the Oracle Designer 2000 tools. This test is designed for Oracle programmers, application developers, and database administrators. This test covers the following topics: Case Methodology, Interface, Analysis, Design, Maintenance, and Repository Administration.
Oracle Developer 2000	The Brainbench Oracle Developer 2000 test measures your knowledge of OLAP. Designed for experienced programmers and administrators, this test covers the following topics: Building Forms; Forms, PL/SQL, and SQL; Forms Execution, Forms Objects, Reports Data Model, Reports Layout Editor, and Reusable Code.
Oracle Financials Rel 11	The Brainbench Oracle Financials Rel 11 test measures your knowledge of Oracle Financials Rel 11. Designed for experienced users, this test covers the following topics: Assets Fundamentals, Basic Journal Entries, Consolidation and Advanced Assets Functionality, Financial Management Setup, General Knowledge, Applied Technology, Multiple-Currencies Accounting, Oracle Applications Integration, Order Fulfillment, and Procurement.
Oracle Forms 10g	The Brainbench Oracle Forms 10g test measures your knowledge of Oracle Forms Application development using Oracle Forms 10g. Designed for experienced Oracle developers, this test includes the following topics: the Forms development environment; input items and non-input items; data blocks; LOVs, record groups and editors; reusable and flexible code and objects; windows and canvases; functionality in Forms processing; multi-form applications; and the use of PLSQL, Java beans and Pluggable Java Components.
Oracle Forms 6.0	The Brainbench Oracle Forms 6.0 test measures your knowledge of database development using Oracle Forms 6.0. Designed for experienced programmers, this test covers the following topics: Blocks, Frames and Relations, Forms Environment, Forms on the Web, Forms Processing, Integrating Applications, Items, LOVs, Record Groups and Editors, Menus, PL/SQL Code, Reusable and Flexible Code, Windows, Canvases, and Layout.
Oracle PL/SQL	The Brainbench Oracle PL/SQL test measures your knowledge of database development using Oracle PL/SQL. This is based on knowledge through Oracle 10g . Designed for experienced programmers, this test covers the following topics: Architecture, Built-In Packages, Debugging, Exception Handling, Language Elements, SQL Operations, Subprograms, Tuning, Utilities.
OS/2 Warp Server Administration	The Brainbench OS/2 Warp Server Administration test measures your ability to administer a server running IBM's OS/2 Warp operating system. Designed for experienced network administrators, this test covers the following topics: Architecture, Configuration-Environment, Configuration-Requesters, Configuration-Servers, Enterprise Systems, and Maintenance.
OS/400	The Brainbench OS/400 test measures your knowledge of working within OS/400, the operating system of IBM's AS/400. Designed for experienced users, this test covers the following topics: Devices, Jobs, Messages, Performance/Maintenance, Printing, Data, Communications, Security, and IPL/MI.
PeopleTools 7.0	The Brainbench PeopleTools 7.0 test measures your knowledge of programming the PeopleSoft Enterprise Resource Planning (ERP) system using PeopleTools 7.0. Designed for experienced programmers, this test covers the following topics: Application Designer, Application Server, Integration Tools, PeopleCode, PeopleTools Administration/Data

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Management, Process Scheduler, Reporting, Security, and Web Client.

PeopleTools 8.4	The Brainbench PeopleTools 8.4 measures your knowledge of programming the PeopleSoft Enterprise Resource Planning (ERP) system using PeopleTools. Designed for experienced programmers, this test includes the following topics: Administration Tools, Application Designer, Application Engine, Integration Tools, PeopleCode, PeopleSoft Portal, PeopleTools Support, Reporting and Decision Support Tools, and Upgrading.
Perl	The Brainbench Perl 5 test measures your knowledge of programming in Practical Extraction Report Language. Designed for experienced programmers, this test covers the following topics: Basics, Expressions, Functions, Literals, Modules, Statements, and Subroutines.
Perl 5.8	The Brainbench Perl 5.8 test measures your knowledge of programming in Practical Extraction and Reporting Language. Designed for experienced programmers, this test covers the following topics: Data Manipulation, Data Structures, Input/Output, Modules, Object Oriented Programming, Programming Methodologies, Statements, Subroutines, and Variables.
PHP 4	The Brainbench PHP 4 test measures your knowledge of scripting in PHP Hypertext Preprocessor 4. Designed for experienced programmers, this test covers the following topics: Database, Database Connections, Functions, HTML, and Language.
PHP 5	The Brainbench PHP 5 test measures your knowledge of scripting in PHP Hypertext Preprocessor 5. Designed for experienced programmers, this test covers the following topics: Communication Functions, Databases, General Functions, HTML, Language Functions, Language Structure, Object Oriented PHP
PowerBuilder 6.0	The Brainbench PowerBuilder 6.0 test measures your knowledge of programming using PowerBuilder 6.0. Designed for experienced programmers, this test covers the following topics: Advanced PowerBuilder Development, Advanced Techniques, Distributed Computing, Final Product, PowerBuilder Development, PowerBuilder Programming, User Objects, and Using DataWindows.
PowerBuilder 7.0	The Brainbench PowerBuilder 7.0 test measures your knowledge of programming using PowerBuilder 7.0. Designed for experienced programmers, this test covers the following topics: Advanced PowerBuilder Development, Advanced Techniques, DataWindows, Distributed Computing, Final Product, Internet/Distributed Development with PB, PowerBuilder Development, PowerBuilder Programming, User Objects, and Using DataWindows.
PowerBuilder 8.0	The Brainbench PowerBuilder 8.0 test measures your knowledge of programming using PowerBuilder 8.0. Designed for experienced programmers, this test covers the following topics: Advanced Development, Application Deployment, Database Connections, DataWindows, Development, Environment, Features, Internet/Distributed Development, Painters, and Powerscript Syntax & Techniques.
PowerBuilder 9.0	The Brainbench PowerBuilder 9.0 test measures your knowledge of programming using PowerBuilder 9.0. Designed for experienced programmers, this test covers the following topics: Component and Internet Development, DataWindow Painter, DataWindow Techniques, Deployment Options, IDE Features, Object Oriented Concepts, Objects and Controls, PowerScript, and SQL and Relational Databases.
Presentation Skills	The Brainbench Presentation Skills test measures your knowledge of the concepts of preparing, delivering, and evaluating a presentation. Designed for any professional who makes presentations, this test includes the following topics: Gathering Information, Learning Material, Pre-Design & Preparation, Presentation Conclusion, Presentation Delivery, Presentation Structure, Presentation Types, Speaking Anxiety, and Types of Visual Aids.
Printed Circuit Board Design	The Brainbench Printed Circuit Board Design test measures your knowledge of creating and working with printed circuit boards. This test covers the

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concepts behind circuit boards across all platforms. Designed for anyone involved with PCBs, this test covers the following topics: DFM Fabrication, DFM Assembly, PCB Layout, Performance Issues, Output, and Bare-Board

Pro/ENGINEER 2000i	The Brainbench Pro/Engineer 2000i test measures your knowledge of Pro/Engineer 2000i. Designed for experienced users, this test covers the following topics: Assemblies, Construction Features, Modifying Parts, Patterns, and Copies.
Programmer/Analyst Aptitude	The Brainbench Programmer/Analyst Aptitude test measures whether you have the skills that are typically found in successful programmers and business analysts. This test covers the following topics: Abstract Thinking, Analytical Reasoning, Attention to Detail, Mathematical Problem-Solving, and Process Mapping.
Programming Concepts	The Brainbench Programming Concepts test measures your knowledge of the core aspects of computer programming that are valid across programming languages. Designed for all programmers, this test covers the following topics: Algorithms, Concurrent Programming, Data Types, Productivity and Quality, Programming Constructs, Programming Languages, Programming Paradigms, Relational Database System.
Python 1.5	The Brainbench Python 1.5 test measures your knowledge of programming using Python 1.5. Designed for experienced programmers, this test covers the following topics: Core Language, Conversions, Internet Modules, Process Management, Storage, and Persistence.
Python 2.4	The Brainbench Python 2.4 test measures your knowledge of programming using Python 2.4. Designed for experienced programmers, this test covers the following topics: Built-in Features, Classes, Language, Logical & Physical Organization, and Standard Library.
RDBMS Concepts	The Brainbench Relational Database Management System Concepts test measures your knowledge of the most important aspects of RDBMS. Designed for both programmers and administrators, this test covers the following topics: Data Normalization, The Logical Data Model, Managing the RDBMS, Performance, The Physical and Relational Data Model, Programming, Security, and Structured Query Language.
RPG IV	The Brainbench Report Program Generator IV test measures your knowledge of programming using RPG IV. Designed for experienced programmers, this test covers the following topics: Arrays/Tables, Built-in Functions, Data Types/Formats, Defining Data/Prototypes, Exception/Error Handling, Expressions, Form Specifications, Indicators, Operation Codes, Programming Cycle, Subprocedures, Subroutines, and Symbolic Names/Reserved Words.
SAS 6.0 (Base)	The Brainbench SAS 6.0 (Base) test measures your knowledge of the base package of SAS 6.0. Designed for experienced programmers, this test covers the following topics: Basic Programming, Combining SAS Data Sets, Macro Facility, Preparing Data, PROCs, Producing Reports, SAS, SAS Formats, SAS Functions, SAS INFORMATs, Storing and Managing Data in SAS Files, and understanding SAS Session.
SAS 8.2 (Base)	The Brainbench SAS 8.2 (Base) test measures your knowledge of the base package of SAS 8.2. Designed for experienced programmers, this test includes the following topics: Data Aggregation and Reshaping, Data Step Programming Logic, Data Types and Transformation, External Files I/O, Grouped Data and BY-Processing Logic, Reports, SAS Data Set Combination and Modification, SAS Program Organization, Single SAS Data Set Input, and Table Look-Up.
SEI Capability Maturity Model Implementation	The Brainbench SEI Capability Maturity Model Implementation test measures your knowledge of the Software Engineering Institute's Capability Maturity Model and how to implement the model. Designed for software engineers, this test covers the following topics: Interpreting the CMM, Introduction to Software Process Maturity, Software Process Maturity Framework, Structure of the CMM, The KPA's for Level 2-Repeatable, The KPA's for Level 3-Defined, The KPA's for Level 4-Managed, The KPA's for Level 5-Optimizing, and using the

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CMM.

Server Administration	The Brainbench Server Administration test measures your ability to administer a server using any platform. Designed for experienced administrators, this test covers the following topics: disaster recovery, hardware, management process, network addressing and routing, optimization, security, storage, users and resources.
Siebel 2000 Administration	The Brainbench Siebel 2000 Administration test measures your knowledge of Siebel 2000 Administration. Designed for experienced administrators, this test covers the following topics: Architecture, Configuration, Deployment, Installation, Siebel Foundations, Siebel Repository, and Siebel VB. Standard
SilverStream 2.5 Applications Server	The Brainbench SilverStream 2.5 Applications Server test measures your ability to administer an application server using SilverStream 2.5. Designed for experienced network administrators, this test covers the following topics: Java Clients, Administration, Data Access, Programming, and Security.
Smalltalk	The Brainbench Smalltalk test measures your knowledge of programming using Smalltalk. Designed for experienced programmers, this test covers the following topics: Architectures, Classes, Construction Techniques, CORBA, Languages, Metrics, Objects, OO Design, OO Modeling, OO Patterns, OO Practices, OO User Interfaces, Persistence, and Wrapping.
SOAP	The Brainbench SOAP test measures your knowledge of programming and working with Web Services using SOAP. The test is based on the SOAP 1.1 W3C note. Designed for experienced users, this test includes the following topics: Attachments, Encodings, Error Handling, Messaging, SOAP Concepts, SOAP Framework, SOAP Special Features, Web Services, and XML.
Software Business Analysis	The Brainbench Software Business Analysis test measures your ability in determining a company's optimal IT strategy based on the business needs and designing technical infrastructure to meet business requirements. Designed for senior-level technical professionals, this test covers the following topics: Analyzing Customer Needs; Processes, Models, and Standards; Tools and Methodologies; Documentation, Joint Application Development (JAD); Knowledge-Based Systems (KBS) and Data Warehousing; Project Management; Contracting for Software; and Risk Management and Integrated Product Teams.
Software Configuration Management	The Brainbench Software Configuration Management test measures your knowledge of how to practice the principles of configuration management during large software projects and when performing enhancements and maintenance on a continuous basis. Designed for experienced configuration managers, this test covers the following topics: CM Basics, CM Data, CM Planning, Configuration Audits, Configuration Control, Configuration Identification, Configuration Status Accounting, Defect Tracking, and General Knowledge.
Software Quality Assurance	The Brainbench Software Quality Assurance test measures your knowledge of maintaining software quality throughout the development lifecycle. Designed for individuals working in software quality control or software development, this test covers the following topics: Analysis, Configuration Management, Managing SQA Projects, Philosophy Behind SQA, Processes, Standards and Metrics, Testing, Verification and Validation.
Software Testing	The Brainbench Software Testing test measures your knowledge of testing software. Designed for experienced software testers, this test covers the following topics: Automated Techniques, Coverage-Based Approach, History and Background, Management, Measures, Methods, Person-Based Approach, Problem-Based Approach, Process, and Relationships.
SONET	The Brainbench SONET test measures your knowledge of Synchronous Optical Networks. Designed for experienced telecommunications professionals this test covers the following topics: Frame Format Structure,

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Benefits of SONET, Overheads, Pointers, SONET Multiplexing, SONET Networking, Standards Hierarchies, Synchronization, and Tributaries.

SQL (ANSI)	The Brainbench Structured Query Language (ANSI) test measures your knowledge of database queries using ANSI SQL. Designed for experienced database programmers and administrators, this test covers the following topics: Relational Database and SQL Basics, SQL Data Modification, SQL Queries, and Using SQL DML.
SQL (ANSI) Fundamentals	The Brainbench Structured Query Language (SQL) (ANSI) Fundamentals test measures your knowledge of database queries using ANSI SQL. Designed for entry-level database programmers and administrators, this test covers the following topics: Grouping and Totalling, Relational Database and SQL Basics, SQL Data Definition (DDL), SQL Data Modification, SQL Queries, and Using SQL DML.
Struts 1.2.x	The Brainbench Struts 1.2.x test measures your knowledge of programming in the Struts environment. Designed for experienced programmers, this test includes the following topics: ActionForm, ActionForward, ActionMapping, ActionServlet Extensions, Actions, Architecture, Configuration, Localization, Tags, and Validation.
Sybase 11.X Administration	The Brainbench Sybase 11.X Administration test measures your knowledge of administering Sybase 11.X. Designed for experienced administrators, this test covers the following topics: Backup and Recovery, Configuration, Database Devices, Database Objects, Installation, Performance and Tuning, Security, System Procedures, Transact SQL, and User Databases.
Sybase 12.5 Administration	The Brainbench Sybase 12.5 Administration test measures your knowledge of administering Sybase 12.5. Designed for experienced administrators, this test covers the following topics: ASE Server Management, Backups and Recovery, Database and Object Access Mgmt, Database Consistency Checking, Database Management, Database Objects Management, Performance and Tuning, Server and Client Configuration, and Server Resources Access.
Systems Analysis	The Brainbench Systems Analysis test measures your knowledge of translating user requirements into optimal architecture. Designed for experienced systems analysts, this test covers the following topics: Fundamental Systems Analysis Skills, Implementation and Support, Systems Analysis Tasks, Systems Design Tasks, and Technical Methods for Specifying Requirements.
TCP/IP Administration	The Brainbench TCP/IP Administration test measures your ability to administer a network using the Transmission Control Protocol/Internet Protocol. Designed for experienced Network Administrators, this test covers the following topics: DHCP/BOOTP, DNS, General Knowledge, IP Addressing, IP Security, IPv6, Routing, Subnetting, TCP/IP Standards, TCP/IP Suite, Troubleshooting, and WINS.
Technical Help Desk	The Brainbench Technical Help Desk test measures your knowledge of core enduser problems using common office software and hardware. Designed for experienced help desk professionals, this test covers the following topics: Computer system Installation, Hardware Problems, Help Desk Operating, Network Problems, PC Terminology, Software Problems, Troubleshooting Process, and User Problems.
Technical Help Desk (Microsoft)	The Brainbench Technical Help Desk (Microsoft) test measures your knowledge of troubleshooting core end-user problems using common office software in the Windows platform. Designed for experienced help desk professionals, this test covers the following topics: Communication, Hardware Troubleshooting, Internet Explorer, Licensing, Media Output, Microsoft Office, Networking, System Boot Problems, and System Security.
Technical Writing	The Brainbench Technical Writing test measures your knowledge of the appropriate design and style for technical documentation. Designed for experienced technical writers, this test covers the following topics: Document Design, Document Development, Editing/Reviewing Work, Guidelines/Style/Techniques, Job Overview, Online/Hypermedia/Interactive

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Media, Professionalism, and Project Management.

Telecommunications Industry Knowledge

The Brainbench Telecommunications Industry Knowledge test measures your knowledge of the telecommunications industry. Designed for individuals with broad knowledge of the industry and its trends, this test covers the following topics: Data, Fiber Optics, Telephony, and Wireless.

Time Management (U.S.)

The Brainbench Time Management (U.S.) test measures your knowledge of how to use your time wisely in the workplace. Designed for the average business worker, this test covers the following topics: Action Plans, Controlling, Decision Making, Organizing, Planning, Scheduling, Time Usage, and Time Wasters.

UDDI

The Brainbench UDDI test measures your knowledge of UDDI. Designed for experienced Web architects, Web engineers, and programmers, this test includes the following topics: Administration/Maintenance, Applied UDDI, Extensibility, Internationalization/Localization, Related Products, Related Standards, The UDDI Standard, UDDI Data Structures, and UDDI Programming API.

Unified Modeling Language (UML)

The Brainbench Unified Modeling Language test measures your knowledge of UML. Designed for the experienced IT professional, this test covers the following topics: Class Diagrams, Use Cases, Behavioral Modeling, Architectural Modeling, and Structural Modeling.

Unix Administration (AIX)

The Brainbench UNIX Administration (AIX) test measures your knowledge of administering IBM's version of UNIX. This test covers general UNIX questions; we recommend individuals seeking to certify their core UNIX skills complete our UNIX Administration (General) test. Designed for experienced systems administrators, this test will assess your knowledge of Troubleshooting, User Maintenance, Volume Management, Backup and Restore, Mounting and Dismounting, SMIT, Startup/Shutdown Scripts, System Initialization, Application of Filesets updates, Device Configuration, Non-root Volume Group, Software fixes, and Installation Assistant.

Unix Administration (General)

The Brainbench UNIX Administration (General) test measures your knowledge of the key issues and concepts in administering an UNIX environment. This is our core UNIX Administration test and is focused on the general aspects of UNIX that span all UNIX variations. Designed for experienced system administrators, this test covers the following topics: Communications, Devices, File Systems, Files, General Principles, Managing System Resources, Processes, Security, Shell Scripts, Startup and Shutdown, TCP/IP Network, Troubleshooting, and User Accounts.

Unix Administration (HP)

The Brainbench UNIX Administration (HP) test measures your knowledge of the Hewlett Packard's implementation of UNIX. This test covers general UNIX questions; we recommend individuals seeking to certify their core UNIX skills complete our UNIX Administration (General) test. Designed for experienced administrators, this test covers the following topics: Devices, File Systems, Managing System Resources, SAM, Security and Shell Programming.

Unix Administration (Solaris 10)

The Brainbench UNIX Administration (Solaris 10) test measures your knowledge of Sun's Solaris implementation of UNIX. It includes questions from the 11/06 release. Designed for experienced administrators, this test covers the following topics: Automation, Debug Tools and Methods, Files and Filesystems, Network, Network Services, Packages and Patches, Performance and Capacity, Process Control and Life Cycle, Security, and Virtualization.

Unix Administration (Solaris 8)

The Brainbench UNIX Administration (Solaris 8) test measures your knowledge of Sun's Solaris 8 implementation of UNIX. This test covers general UNIX questions; we recommend individuals seeking to certify their core UNIX skills complete our UNIX Administration (General) test. Designed for experienced administrators, this test covers the following topics: Administrator Maintenance, Devices, File Systems, Network Services,

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Security, Setup and Configuration, Shell Programming, Troubleshooting, and Performance Tuning, and UNIX System Knowledge.

Unix Administration (Solaris 9)

The Brainbench UNIX Administration (Solaris 9) test measures your knowledge of Sun's Solaris implementation of UNIX. This test covers general UNIX questions; we recommend individuals seeking to certify their core UNIX skills complete our UNIX Administration (General) test. Designed for experienced administrators, this test covers the following topics: Automation, Debug Tools and Methods, Files and Filesystems, Network, Network Services, Packages and Patches, Performance and Capacity, Process Control and Life Cycle, Security

Unix Administration (Solaris)

The Brainbench UNIX Administration (Solaris 7) test measures your knowledge of Sun's Solaris 7 implementation of UNIX. This test covers general UNIX questions; we recommend individuals seeking to certify their core UNIX skills complete our UNIX Administration (General) test. Designed for experienced administrators, this test covers the following topics: UNIX System Knowledge, Setup and Configuration, Mail Services, Devices, File Systems, Network Services, Shell Programming, Security, Troubleshooting and Performance Tuning.

Unix Korn Shell Scripting

The Brainbench UNIX Korn Shell Scripting test measures your knowledge of Korn Shell Scripting. Designed for scripting professionals, this test covers the following topics: Korn Shell Basics, Shell Initialization, Command-Line Editing, Script Creation and Execution, Script Variables, Flow Control, Integer Variables and Arithmetic, Script I/O, Functions, Built-in Script Commands, and Script Debugging.

Unix Programming (General)

The Brainbench UNIX Programming (General) test measures your knowledge of programming in a UNIX environment. Designed for experienced programmers, this test covers the following topics: Files and Directories, I/O, Interprocess Communication, Process Control, Process Relationships, Signals, Unix Time Values/Utilities

VBScript 5.5

The Brainbench VBScript 5.5 test measures your knowledge of programming using VBScript 5.5. Designed for experienced programmers, this test covers the following topics: Differences, Errors, Functions/Statements, Objects, Operators, Program Structure, and Script Engine.

Visio 5.0

The Brainbench MS Visio 5.0 test measures your knowledge of MS Visio 5.0, Standard Edition. Designed for experienced users, this test covers the following topics: Customizing, Layers, Outside Visio, Pages, Shapes, and Visio Basics.

Visual Basic 2005

The Brainbench Visual Basic 2005 test measures your knowledge of programming with VB using the VB 2005 framework. Designed for experienced programmers, This test includes the following topics: .NET Framework Programming, Classes and Objects, Data Access, Deployment, Monitoring and Maintenance, Developing Visual Basic Application, Security and Visual Basic Programming Language.

Visual Basic 5.0

The Brainbench Visual Basic 5.0 test measures your knowledge of programming using Visual Basic 5.0. Designed for experienced programmers, this test covers the following topics: Basics, Controls, Data Types, File I/O, Interfacing with Windows, and Program Development.

Visual Basic 6.0

The Brainbench Visual Basic 6.0 test measures your knowledge of programming using Visual Basic 6.0. Designed for experienced programmers, this test covers the following topics: Basics, Controls, Data Access, Data Types, Interfacing with Windows, and Program Development.

Visual Basic 6.0 Fundamentals

The Brainbench Visual Basic 6.0 Fundamentals test measures your knowledge of programming in Visual Basic 6.0. Designed for entry-level programmers, this test includes the following topics: Application Design, Common Windows Objects, IDE Tools, Object-Oriented Coding, Primary Language Features, User-Defined Procedures, and User Interface Objects.

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Visual Basic.NET	The Brainbench Visual Basic .NET test measures your knowledge of programming with VB using the .NET framework. Designed for experienced programmers, this test includes the following topics: Classes/Inheritance, Consuming Resources, Data Access, Debugging, Distributed Applications, Language Fundamentals, Web Forms, and Windows Forms.
Visual Basic.NET Fundamentals	The Brainbench Visual Basic.NET Fundamentals test measures your knowledge of programming with VB using the .NET framework. Designed for entry-levels programmers, this test includes the following topics: .NET Framework, Classes and Inheritances, Control Flow, Data Access, Troubleshooting, VB.NET Language, Variables and Types, Web Forms, and Windows Forms.
Visual C++	The Brainbench Visual C++ 6.0 test measures your knowledge of programming using Visual C++. Designed for experienced programmers, this test covers the following topics: ActiveX Controls, General C++ Language, General Visual C++, General Windows Programming, MFC, OLE/COM, and Visual C++ IDE.
Visual FoxPro 6.0	The Brainbench Visual FoxPro 6.0 Programming test measures your knowledge of database development using Visual FoxPro 6.0. Designed for experienced programmers, this test covers the following topics: Classes and OOP; Commands; Data Design; Forms, Controls, and Menus; Functions; Programming and Development; and SQL.
Visual J++ 6.0	The Brainbench Visual J++ 6.0 test measures your knowledge of programming in Visual J++. Designed for experienced programmers, this test covers the following topics: COM objects, Console Applications, Databases, Debugging, Distribution, Microsoft Interdev, Multimedia, and Swing.
Voice over Internet Protocol (VoIP)	The Brainbench Voice over Internet Protocol test measures your knowledge of VoIP. Designed for experienced professionals, this test covers the following topics: General Overview, IP Telephony Basics, Protocols, Standards, Hardware, Quality of Service, and Application.
VPN with Windows	The Brainbench VPN with Windows test measures your knowledge of implementing Virtual Private Networks with MS Windows. Designed for experienced telecommunications professionals this test covers the following topics: Fundamentals, Implementation, Maintenance, Protocols, and Security.
VSAM	The Brainbench Virtual Storage Access Method (VSAM) test measures your knowledge of the different architectures and technologies used in Wide Area Networks. Designed for experienced network administrators, this test covers the following topics: Backup and Reorganization, Design, General, IDCAMS, Listcat, Performance, Security, and Structure.
WAN Technologies	The Brainbench WAN Technologies test measures your knowledge of the different architectures and technologies used in Wide Area Networks. Designed for experienced network administrators, this test covers the following topics: Basic Knowledge, Choosing WAN Service, RAS, Routing, WAN Connections, WAN Methodology, WAN Support, and WAN Types.
Web Design Concepts	The Brainbench Web Design Concepts test measures your knowledge of the core areas of web design. Designed for experienced web designers, this test includes the following topics: web page design, internet architecture and protocols, HTML 4.0, cascading style sheets, and browsers.
Web Design for Accessibility	The Brainbench Web Design for Accessibility test measures your knowledge of designing and maintaining a Web site that is easily accessible for those with disabilities. Designed for Web designers and administrators, this test is based on the W3C Accessibility standards and covers the following topics: Basic Principles, Assistive Technology, CSS Techniques, Emerging Technologies, General Knowledge, HTML Techniques, Programming Languages, and WAI Guidelines.
Web Development Concepts	The Brainbench Web Development Concepts test measures your knowledge of the core areas common to all web development whether it be client-side or

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server-side. Designed for experienced web developers, this test includes the following topics: programming concepts, object oriented development concepts, internet architecture and protocols, HTML, and XML.

- Web Server Administration** The Brainbench Web Server Administration test measures your knowledge of the key issues and concepts in administering a web server. This test is more general and focuses on higher-level issues than our vendor-specific web server administration tests (Apache HTTP Server 1.3.12, MS Internet Information Server). The test covers the following topics: Connectivity Issues, Data Integrity, General Knowledge, Monitoring, Planning, Protocols, Resource Access, Server Optimization, Server Security, and Troubleshooting.
- Web Services Application Engineering** The Brainbench Web Services Application Engineering test measures your knowledge of Web Services implementation. Designed for Web architects and software engineers as well as applications developers, this test covers the following topics: Architecture and Design, Completing Web Services, Security, SOAP, SOAP-RPC, UDDI, Web Services Overview, WSDL, and XML Implementation.
- Web Services Concepts** The Brainbench Web Services Concepts test measures your knowledge of Web Services. Designed for experienced Web architects and software engineers, as well as application developers, this test includes the following topics: Application Design, Application Implementation, Architecture, Major Frameworks, Protocol/API Groups, Roles, Service Description and Discovery Layers, and Transport and XML Messaging Layers.
- WebSphere MQ** The Brainbench WebSphere MQ test measures your knowledge of WebSphere. Designed for application engineers, architects, and programmers, this test covers the following topics: Administration; Application Programming; Commands; Intercommunication & Queue Manager Clusters; and MQSeries Concepts, Planning & Installation.
- Windows Application Program Interface** The Brainbench MS Windows Application Program Interface test measures your knowledge of programming using the Windows API. Designed for experienced programmers, this test covers the following topics: Graphics, System, and User Interface.
- WinRunner 6.0** The Brainbench WinRunner 6.0 test measures your knowledge of the Mercury Interactive WinRunner software. Designed for experienced technical managers and engineers, this test covers the following topics: Record/Run, Synchronization, Checkpoints, the GUI Map, and Modular Test Tree.
- Wireless Application Protocol (WAP)** The Brainbench Wireless Applications Protocol (WAP) test measures your knowledge of the WAP wireless data protocol. Designed for experienced telecom engineers, this test covers the following topics: Configuration, General Knowledge, Protocol Stack, Support, Using WMLScript, Vendor Comparison, and WAP Model.
- Wireless Network Technology** The Brainbench Wireless Network Technology test measures your knowledge of technology in use for wireless data transmission. Designed for network administrators, this test covers the following topics: Architecture, Cellular, Group Special Mobile (GSM), PCS Network Design, D-Amps, HDML, and Wireless Technologies.
- Workplace Fundamentals (U.S.)** The Brainbench Workplace Fundamentals (U.S.) test measures your knowledge of workplace basics. It covers the knowledge and skills needed to function in any type of workplace. This test is designed for anyone in the modern U.S. workforce and includes the following topics: Business Communication, Diversity, Employer Expectations, Human Resources, Legal Issues for Employees, Personal Development, Planning and Scheduling, and Security.
- WSDL** The Brainbench WSDL test measures your knowledge of the Web Services

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Description Language protocol and how it is used in the Web Services or .NET environment. Designed for the experienced developer, this test includes the following topics: Bindings and Services, Generating WSDL, Ports and PortTypes, Role of WSDL, SOAP, Types and Messages, Understanding WSDL, and WSDL and UDDI.

WWW Concepts

The Brainbench WWW Concepts test measures your knowledge of the technical issues underlying the World Wide Web. Designed for all Internet professionals, this test covers the following topics: Architecture and Design, Browsers, Cookies, Distributed Objects and Components, Links, Messaging Concepts, Services, Web Knowledge, Web Languages, and Web Servers.

xDSL Technology

The Brainbench xDSL Technology test measures your knowledge of the collective types of Digital Subscriber Lines (DSL) technology. Designed for experienced technicians and engineers, this test covers the following topics: Hardware Setup and Configuration, Software Setup and Configuration, Basic Features, Troubleshooting, Implementation, DSL Infrastructure, and DSL Applications.

XHTML 1.1

The Brainbench XHTML 1.1 test measures your knowledge of coding web pages using XHTML. Designed for the experienced coder, this test includes the following topics: Cascading Style Sheets, Forms, Miscellaneous XHTML Issues, Modularization, Multimedia and Objects, Tables, and XML Compliance.

XML

The Brainbench XML 1.0 test measures your knowledge of the Extensible Markup Language. Designed for experienced coders, this test covers the following topics: Combining Technologies, DTDs and Schemas, Emerging or Future Technologies, General Knowledge and XML Contacts, Stylesheets, XLink, XML Namespaces, XML Software, and XML Specifications.

XML Concepts

The Brainbench XML Concepts test measures your knowledge of the most important aspects of XML. Designed for non-technical professionals, support personnel, and supervising managers, this test includes the following topics: Applied XML, Related Standards, Software Development, Structuring Data, the XML Standard, Web Presentation, Web Technologies, and XML Characteristics.

XSL

The Brainbench XSL test measures your knowledge of the W3C Extensible Stylesheet Language and how a specification is used to separate the content when creating XML or HTML pages. Designed for experienced web and software developers, this test covers the following topics: XSL Transformation, XSL Formatting, XSL Software, and general XSL knowledge.