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Global Computer Training Center

Oracle 10g DBA

Oracle 10g is a leading Information Technology (IT) database management tool. The Oracle Database Administration (ODBA) Certification is recommended for IT professionals who face the increasingly complex tasks of database management. Oracle DBAs work with some of the most advanced information systems in the industry and command some of the most attractive salaries in the field.

This program of study consists of four units. Lecture material is reinforced with structured hands-on practice.

Introduction to Oracle 10g: SQL. Relational and object relational databases and Specific Query Language (SQL) are presented. Covered in this unit: how to create and maintain database objects, as well as how to store, manipulate, and retrieve data using advanced techniques such as ROLLUP, CUBE, set operators, and hierarchical retrieval. Student will write SQL and SQL*Plus script files using the iSQL*Plus tool to generate report-like output. Preparation for one of two required exams for Associate certification, Exam 1Z0-007.

Oracle 10g Database Administration, Fundamentals I. This unit covers the knowledge base needed for basic database tasks. Student will learn to design, create, and maintain a database. Also includes database architecture, how components work, as well as their interaction with one another. Student will also learn to create an operational database and manage various structures. Preparation for one of two required exams for Associate certification, Exam 1Z0-031.

Oracle 10g Database Administration, Fundamentals II. Advanced skills needed to back up, recover, and restore an Oracle database. Using Oracle's Recovery Manager, student will learn how to transport data between databases and related utilities. Also covered: networking concepts and configuration parameters, as well as common network problems. Preparation for one of two required exams for Professional certification, Exam 1Z0-032.

Oracle 10g Database, Performance Tuning. Database design and tuning a database for maximum performance, focusing on Database and Instance Tuning rather than specific OS performance issues. Using Oracle Enterprise Manager, student will learn to recognize, troubleshoot, and resolve common performance-related problems in database administration. Preparation for one of two required exams for Professional Certification, Exam 1Z0-033.

Certification Requirements. Oracle Certification track begins with Associate level, requiring the candidate to pass both Exam 1Z0-007, Introduction to Oracle 10g: SQL; and Exam 1Z0-031, Oracle 10g Database Administration: Fundamentals I. At the next level, Certified Professional, the candidate must pass Exam 1Z0-032, Oracle 10g Database Administration: Fundamentals II; as well as Exam 1Z0-033, Oracle 10g Database: Performance Tuning.

Duration. Oracle 10g DBA program is 81 hours of instructor-led and hands-on coursework and can be completed in 9 (or 16) weeks part-time.