

€ TRAINING

OCA Oracle Certified Associate





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Introduction:

This training program is designed to prepare participants for the certification exam only.

This training program is designed to provide foundational knowledge and skills in Oracle database management. It prepares participants for the OCA certification, emphasizing core database administration tasks, SQL querying, and database management.

Program Objectives:

By the end of this program, participants will be able to:

- Understand the basic concepts of relational databases.
- Manage Oracle database instances effectively.
- Write complex SQL queries to manipulate and retrieve data.
- Implement and manage security features within Oracle databases.
- Prepare thoroughly for the Oracle Certified Associate certification exam.

Targeted Audience:

- Database Administrators.
- IT Professionals transitioning to database roles.
- Professionals aiming for a career in database management
- Software Developers involved in applications that interact with Oracle databases

Program Outline:

Unit 1:

Introduction to Oracle Database:

- Overview of Oracle Database architecture.
- Understanding database structures and storage.
- Methods of Installing and configuring Oracle Database software.

- Basic Oracle Database management tasks.
- Introduction to Oracle Networking.

Unit 2:

SQL Fundamentals:

- Basics of SQL and SQL*Plus.
- Writing SQL queries to retrieve data from tables.
- Using SQL functions to manipulate data.
- Implementing subqueries and complex joins.
- Managing tables and indexes using SQL.

Unit 3:

Oracle Database Administration:

- Creating and managing user accounts.
- Understanding Oracle security mechanisms.
- Backing up and recovering the Oracle Database.
- Monitoring and tuning database performance.
- hOW TO Automate tasks with Oracle Scheduler.

Unit 4:

Advanced Database Management:

- Managing data concurrency.
- Understanding and managing transactions.
- Implementing Oracle's Flashback technology.
- Using Oracle Data Pump for data transfer.
- Configuring and managing Oracle Net Services.

Unit 5:



Preparation for OCA Certification:

- Overview of the Certification Exam Structure.
- Key Topics and Areas of Focus for the Exam.
- Sample Questions and their Potential Answers.
- Resources and Materials for Effective Exam Preparation.

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