Why Oracle Database Administrator Certifications ?

Oracle Database Administration training gives you the core knowledge you need to become a successful Oracle DBA.

Learn how to install, troubleshoot, manage, secure, and optimize your Oracle Database.

Audience Profile :

- Administrator
- Analyst
- Developer
- Systems Administrator

Prerequisites:

- Basic knowledge of relational databases.

Course Overview:

- Oracle Database certifications emphasize the full set of skills that DBAs need in today's competitive marketplace.
- Learn about Oracle's digital platform for the enterprise that enables businesses to efficiently create and run agile, intelligent applications in client-server, web, and cloud environments.
- Oracle Database Administration training gives you the core knowledge you need to become a successful Oracle DBA.
- Learn how to install, troubleshoot, manage, secure, and optimize your Oracle Database.
- Oracle Database is re-engineered for Cloud computing.
- Multitenant architecture brings enterprises unprecedented hardware and software efficiencies, performance and manageability benefits, and fast and efficient Cloud provisioning.

In this Learning path

1. **Oracle 12c Introduction to SQL**
2. **Oracle 12c Administration**
3. **Oracle Database 12c Managing Multitenant Architecture**
4. **Oracle Database 12c Advanced Administration Backup and Recovery Workshop**

Oracle 12c Introduction to SQL Outline:

- Introduction
- Retrieving Data using the SQL SELECT Statement
- Restricting and Sorting Data
- Using Single-Row Functions to Customize Output
- Using Conversion Functions and Conditional Expressions
- Reporting Aggregated Data Using the Group Functions
- Displaying Data from Multiple Tables Using Joins
- Using Subqueries to Solve Queries
- Using the SET Operators
- Managing Tables using DML statements
- Introduction to Data Definition Language
- Introduction to Data Dictionary Views
- Creating Sequences, Synonyms, Indexes
- Creating Views
- Managing Schema Objects
- Retrieving Data by Using Subqueries
- Manipulating Data by Using Subqueries
- Controlling User Access
- Manipulating Data
- Managing Data in Different Time Zones

Oracle 12c Administration Outline:

- Getting Started
- Exploring Oracle Database Architecture
- Managing Database Instances
- Creating PDBs
- Configuring the Oracle Network Environment
- Administering User Security
- Creating and Managing Tablespaces
- Managing Storage Space
- Managing UNDO Data
- Moving Data
- Backup and Recovery Concepts
- Monitoring and Tuning Database Performance
- SQL Tuning
- Oracle Database Resource Manager
- Enterprise Manager Cloud Control
- Introduction to Oracle Database Cloud Service
- Creating DBCS Database Deployments
- Managing DBCS Database Deployments
- Backing Up and Restoring DBCS Database Deployments
- Patching DBCS Database Deployments
- Creating Master Encryption Keys for PDBs
- Tablespace Encryption by Default

Oracle Database 12c Managing Multitenant Architecture Outline:

- Introduction
- Container and Pluggable Database Architecture
- CDB and PDB Creation
- Managing a CDB and PDBs
- Managing Storage in a CDB and PDBs
- Managing Security in a CDB and PDBs
- Managing Availability
- Managing Performance
- Miscellaneous
- Oracle Database Cloud Service: Overview

Oracle Database 12c Advanced Administration Backup and Recovery Workshop Outline:

- Introduction
- Getting Started
- Configuring for Recoverablility
- Using the RMAN Recovery Catalog
- Backup Strategies and Terminology
- Performing Backups
- Improving Your Backups
- Using RMAN-Encrypted Backups
- Diagnosing Database Failures
- Restore and Recovery Concepts
- Performing Recovery, Part 1
- Performing Recovery, Part 2
- RMAN and Oracle Secure Backup
- Performing Tape Backups and Restores
- Using Flashback Technologies
- Using Flashback Database
- Managing Backup Space or Transporting Data
- Duplicating a Database
- RMAN Performance and Tuning
- Backup and Recovery Workshop
- Oracle Database Cloud Service: Overview