Oracle Database 19c: SQL Workshop Course

Course Duration: 40 Hrs.   **Course Code: OD19C-SQLW**

Course Overview

The Oracle Database 19c: SQL Workshop Course provides participants with the essential skills required to query, manipulate, and manage data stored in Oracle relational databases. This hands-on course introduces SQL fundamentals, including data retrieval, filtering, sorting, and functions, enabling learners to build efficient queries for data analysis and reporting. It is designed to help participants understand the SQL language, optimize queries, and gain confidence in working with Oracle Database 19c environments.

What you'll learn?

- Understand SQL concepts and their application in Oracle Database 19c
- Write queries to extract, filter, and sort data from multiple tables
- Use single-row functions, conversion functions, and group functions
- Perform joints, subqueries, and set operations
- Create, manage, and manipulate database objects such as tables, views, and indexes
- Apply constraints to ensure data integrity
- Gain practical experience in writing efficient SQL statements

Target Audience

- Database administrators starting with Oracle Database
- Application developers working with Oracle SQL queries
- Data analysts who need SQL knowledge for reporting and analytics
- IT professionals preparing for Oracle Database certifications

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- Students or beginners aiming to build a career in database management

Pre-Requisites

- Basic understanding of relational database concepts
- Familiarity with general IT concepts
- No prior SQL experience required (beginner-friendly course)

Course Content

Module 1: Introduction to Oracle Database and SQL Basics

Module 2: Retrieving Data Using SELECT Statements

Module 3: Filtering, Sorting, and Using Operators

Module 4: Working with Single-Row and Conversion Functions

Module 5: Using Group Functions and Aggregating Data

Module 6: Displaying Data from Multiple Tables (Joins)

Module 7: Using Subqueries for Data Retrieval

Module 8: Understanding and Performing Set Operations

Module 9: Creating and Managing Database Objects (Tables, Views, Indexes)

Module 10: Applying Data Integrity Constraints

Module 11: Introduction to Data Manipulation (INSERT, UPDATE, DELETE)

Module 12: Best Practices for Writing Efficient SQL Queries

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