Oracle 12c: Introduction to SQL Ed. 1.1

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Overview

About this Course
This Oracle Database: Introduction to SQL training helps you write subqueries, combine multiple queries into a single query using SET operators and report aggregated data using group functions. Learn this and more through hands-on exercises.

Learn To:

- Understand the basic concepts of relational databases ensure refined code by developers. Create reports of sorted and restricted data.
- Run data manipulation statements (DML). Control database access to specific objects. Manage schema objects.
- Manage objects with data dictionary views. Retrieve row and column data from tables. Control privileges at the object and system level.
- Create indexes and constraints; alter existing schema objects. Create and query external tables.

Audience Profile
This course is intended for:
- Application Developers
- Business Analysts
- Data Warehouse Administrator
- Developer
- Forms Developer PL/SQL Developer System Analysts

At course Completion
After completing this course, students will be able to:
- Identify the major structural components of the Oracle Database 12c
- Create reports of aggregated data
- Write SELECT statements that include queries
- Retrieve row and column data from tables
- Run data manipulation statements (DML) in Oracle Database 12c
- Create tables to store data
- Utilize views to display data
- Control database access to specific objects
- Manage schema objects
- Display data from multiple tables using the ANSI SQL 99 JOIN syntax
- Manage objects with data dictionary views
- Write multiple-column sub-queries
- Employ SQL functions to retrieve customized data
- Use scalar and correlated sub-queries
- Create reports of sorted and restricted data
Prerequisites

- Familiarity with data processing concepts and techniques
- Data processing

Course Outline

Module 1: Introduction

Module 2: Retrieving Data using the SQL SELECT Statement

Module 3: Restricting and Sorting Data

Module 4: Using Single-Row Functions to Customize Output

Module 5: Using Conversion Functions and Conditional Expressions

Module 6: Reporting Aggregated Data Using the Group Functions

Module 7: Displaying Data from Multiple Tables Using Joins

Module 8: Using Subqueries to Solve Queries

Module 9: Using the SET Operators

Module 10: Managing Tables using DML statements

Module 11: Introduction to Data Definition Language

Module 12: Creating Sequences, Synonyms, Indexes

Module 13: Creating Views

Module 14: Managing Schema Objects

Module 15: Retrieving Data by Using Subqueries

Module 16: Manipulating Data by Using Subqueries

Module 17: Controlling User Access

Module 18: Manipulating Data

Module 19: Managing Data in Different Time Zones