

Oracle Database 12c: Introduction to SQL Day



Length: 5 days

Format: Bootcamp

Time: Day



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 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.

Required Exams

1Z0-051: Introduction to SQL

Audience Profile

This course is designed for the following audiences:

- * Database Administrators
- * Technical Administrator
- * Support Engineer
- * Technical Consultant

Course Objectives

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

Outline

Introducing * 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