

## Oracle Database 11g: SQL Fundamentals I

Duration: 0 Days

### What you will learn

This Oracle Database 11g: SQL Fundamentals I - Self-Study Course is designed to teach you the fundamentals of SQL using Oracle Database 11g database technology. Using the powerful Structured Query Language (SQL), the data contained within relational databases can be retrieved, managed and manipulated.

### Learn To:

Develop essential SQL skills that enable developers to write queries against single and multiple tables.

Manipulate data in tables.

Create database objects.

Use single row functions to customize output.

Work with group functions to report aggregated data.

Use conversion functions and conditional expressions.

Manipulate queries to return required data.

Perform calculations on data.

Administer database objects.

### Benefits to You

By enrolling in one of Oracle University's Self-Study Courses, you can download the course material and learn at your own pace. Build a foundation of SQL knowledge on your own time, from anywhere that's convenient for you.

### Audience

Database Administrators

Database Designers

Developer

Support Engineer

Technical Administrator

### Related Training

#### *Required Prerequisites*

Familiarity with data processing concepts and techniques

Ability to use a graphical user interface (GUI)

### Course Objectives

To identify the concepts and components of an Oracle Database 11g database, recognize how to retrieve information

from it using SQL, and identify the steps for sorting, limiting

To recognize the steps for writing queries that convert data from one type to another, specify conditions, perform calculations on groups of rows or even tables, and return value

To identify the steps for manipulating queries to return the data you need, using subqueries and set operators, and also for manipulating the actual data using INSERT, UPDATE

To recognize the steps for creating, defining, and dropping tables, manipulating how their data can be viewed, and using schema objects to generate integers, improve queries

## Course Topics

### **Oracle Database 11g: Using SQL to Query Your Database**

Using SQL in Oracle Database 11g

Retrieving, Restricting and Sorting Data

Using Single-Row Functions

### **Oracle Database 11g: Conversion Functions, Group Functions, and Joins**

Conversion Functions and Conditional Expressions

Group Functions and Joins

### **Oracle Database 11g: Subqueries, Set Operators, and Data Manipulation**

Using Subqueries and Set Operators

Manipulating Data

### **Oracle Database 11g: Using DDL, Views, Sequences, Indexes, and Synonyms**

Using DDL Statements to Create and Manage Tables

Creating Other Schema Objects