Total Duration:20hrs

Writing Basic SQL Select Statements

· List the capabilities of SQL SELECT statements

· Execute a basic SELECT statement

· Differentiate between SQL statements and ISQL*Plus commands

Restricting and Sorting Data

· Limit the rows retrieved by a query

· Sort the rows retrieved by a query

· Single-Row Functions

· Describe various types of functions available in SQL

· Use character, number, and date functions in SELECT statements

· Use conversion functions

Displaying Data from Multiple Tables

· Write SELECT statements to access data from more than one table using equality and nonequality joins

· View data that generally does not meet a join condition by using outer joins

· Join a table to itself using a self-join

Aggregating Data using Group Functions

· Identify the available group functions

· Use group functions

· Group data using the GROUP BY clause

· Include or exclude grouped rows by using the HAVING clause

Subqueries

· Describe the types of problems that subqueries can solve

· Define subqueries

· List the types of subqueries

· Write single-row and multiple-row subqueries

Manipulating Data

· Describe each DML statement

· Insert rows into a table

· Update rows in a table

· Delete rows from a table

· Merge rows in a table

· Control transactions

Creating and Managing Tables
· Describe the main database objects
· Create tables
· Describe the datatypes that can be used when specifying column definition
· Alter table definitions
· Drop, rename and truncate tables

Constraints
· Describe constraints
· Create and maintain constraints

Creating Views
· Describe a view
· Create, alter the definition, and drop a view
· Retrieve data through a view
· Insert, update and delete data through a view

Creating Other Database Objects
· Create, maintain and use sequences
· Create and maintain indexes
· Create private and public synonyms