

Oracle Database: SQL Workshop II

Duration: 2 Days

What you will learn

This Oracle Database: SQL Workshop II helps you enhance your skills as an Application developer by learning how to manage the database objects, data dictionary views and multicolumn subqueries. Expert Oracle instructors will teach you how to write more efficient queries using the functions that support timezone and regular expressions.

Learn To:

Grant and revoke privileges and roles.

Manage schema objects and data dictionary views.

Write efficient and complex subqueries.

Use the in-built functions supporting the usage of regular expressions and time zone.

Benefits to You

Ensure fast, reliable, secure and easy to manage performance. Optimize database workloads, lower IT costs and deliver a higher quality of service by enabling consolidation onto database clouds.

Advanced Features of SQL

By enrolling in this course, you'll also gain exposure to using the advanced features of SQL to query and manipulate data within the database. Learn to control privileges at the object and system level, while deep diving into advanced querying and reporting techniques.

Reinforce Your Knowledge with Hands-On Practices

During this SQL workshop, you'll use Oracle SQL Developer as the main environment tool for writing SQL. SQL*Plus is introduced as an optional tool. Demonstrations and hands-on practice reinforce new concepts that are introduced.

Audience

Application Developers, Forms Developer, Functional Implementer, PL/SQL Developer, System Analysts

Course Topics

Introduction

Course Objectives, Course Agenda and Appendixes Used in this Course

Provide an insight of the development environments

Tables used in the Course

Review of the SQL Concepts

Introduction to Data Dictionary Views

Introduction to Data Dictionary

Describe the Data Dictionary Structure

Using the Data Dictionary Views

Querying the Data Dictionary Views

Creating Sequences, Synonyms, Indexes

Overview of sequences

Overview of synonyms Overview of indexes

Creating Views

Overview of views

Managing Schema Objects

Managing constraints

Creating and using temporary tables

Creating and using external tables

Retrieving Data by Using Subqueries

Retrieving Data by Using a Subquery as Source

Working with Multiple-Column subqueries

Using Scalar subqueries in SQL

Correlated Subqueries

Working with the WITH clause

Manipulating Data by Using Subqueries

Using Subqueries to Manipulate Data

Inserting by Using a Subquery as a Target

Using the WITH CHECK OPTION Keyword on DML Statements

Using Correlated Subqueries to Update and Delete rows

Controlling User Access

System privileges Creating a role

Object privileges

Revoking object privileges

Manipulating Data

Overview of the Explicit Default Feature

Using multitable INSERTs

Using the MERGE statement

Performing flashback operations

Tracking Changes in Data

Managing Data in Different Time Zones

Working with CURRENT_DATE, CURRENT_TIMESTAMP, and LOCALTIMESTAMP

Working with INTERVAL data types

Using Date time functions in queries