

Oracle Database 12c: Introduction for Experienced SQL Users

Duration: 2 Days

What you will learn

In this Oracle Database 12c: Introduction for Experienced SQL Users training, you learn about Oracle Database 12c, the database environment and the Oracle SQL Developer tool. Expert Oracle University instructors will teach you how to create and manage tables, synonyms, sequences, indexes and views.

Learn To:

Describe the Oracle database environment.

Use various features of Oracle SQL Developer.

Describe and work with the basic elements of Oracle SQL.

Become familiar with fundamental database security features.

Combine tables using joins and subqueries.

Create and manage tables, synonyms, sequences, indexes and views.

Implement database security by granting privileges and creating roles.

Benefits to You

By enrolling in this course, you'll deep dive into fundamental database security features. By learning to create and manage tables, synonyms, sequences, indexes and views in the Oracle Database 12c environment, you'll be able to better leverage your technology investment.

Audience

Application Developers

Data Warehouse Developer

Database Administrators

Developer

Related Training

Required Prerequisites

Experience with SQL

SQL Developer

Suggested Prerequisites

Oracle Database: SQL Workshop I NEW

Oracle Database: SQL Workshop II NEW

Course Objectives

Use various features of SQL*Developer

Describe and work with the basic elements of Oracle SQL

Combine tables using joins and subqueries

Create and manage tables, synonyms, sequences, indexes, and views

Implement database security by granting privileges and creating roles

Describe the Oracle database environment

Course Topics

Course Overview

Course Objectives, Course Agenda and Class Account Information

Describe the Human Resources (HR) Schema

Identify the Appendices Used in this Course

Understanding the Oracle Database Environment

Understanding the Oracle Database Environment

Understanding the Oracle Instance

Processing a SQL Statement

Understanding Data Flow During SQL Statement Processing

Understanding Read Consistency

Using SQL Developer

SQL Developer

Getting Started with Oracle SQL

Basic SQL statements

How Oracle SQL treats NULLs

Using Pseudocolumns

Using Operators, Expressions and Functions

Understanding Data Types and Date Format

Combining Tables by Using Advanced Queries

Subqueries

Update and delete rows by using correlated subqueries

Perform joins in Oracle SQL

Create a tree-structured report

Exclude branches from the tree structure

Creating and Managing Tables

Using CREATE, ALTER, DROP, RENAME, COMMENT, and TRUNCATE statement

Create and maintain integrity constraints

Use the data dictionary to view and maintain information about tables

Creating and Managing Other Oracle Database Objects

Create and maintain indexes

- Create and maintain a view
- Create, maintain, and use sequences
- Create private and public synonyms

Oracle Database Extensions to DML and DDL Statements

- Describe the features of multitable INSERT statements
- Merge rows by using the MERGE statement
- Create and use external tables
- Describe transaction processing

Controlling User Access

- Discuss the concepts of users, roles, and privileges
- Create users
- Create roles
- Grant and revoke object privileges
- Create and access database links