

Exam Prep Seminar Package: Oracle Database SQL

Duration: 1 Day

What you will learn

This package provides everything an experienced technologist needs to prepare for the exam. Price: xxxx Buy Package Now This package includes: Certification Exam Prep Seminar: Oracle Database SQL Exam Voucher: Oracle Certification Proctored Exam With Free Retake Voucher (6 months) Certification ePractice Exam - 180 day Online Access This seminar helps you prepare for the following exams: Oracle Database SQL (1Z0-071) Oracle Database 12c: SQL Fundamentals (1Z0-061) retires October 31, 2018 Preview the Seminar *Prices are subject to change based on location. Exam Prep Seminar Packages: Provide a thorough review of exam objectives. Illustrate the breadth of topics and skills necessary to pass the exam. Give exclusive tips and strategies to prepare for the certification exam. Increase confidence. This seminar is for exam review purposes only and does not meet the Hands-on Course training requirement (if applicable to your certification track).

Audience

Database Administrators
Database Designers
Database Developers

Course Objectives

Get information that will help you complete your preparation and study.

Learn from one of Oracle University's top instructors.

Receive tips and information that will help you on the test.

Review key technologies and certification concepts related to Oracle Database SQL.

Understand the depth and breadth of the Oracle Database SQL as it relates to the Oracle Database Administrator role.

Course Topics

SQL SELECT Statement

Retrieving Data
List the capabilities
Execute a basic SELECT statement
Differentiate between SQL statements and iSQL*Plus commands

Restricting and Sorting Data

Limit the rows that are retrieved by a query
Sort the rows that are retrieved by a query
Use ampersand substitution in iSQL*Plus to restrict and sort output at run time

Using Single-Row Functions to Customize Output

Describe various types of functions that are available in SQL
Use character, number, and date functions in SELECT statements
Describe the use of conversion functions

Reporting Aggregated Data Using the Group Functions

Identify the available group functions
Describe the use of group functions
Group data by using the GROUP BY clause
Include or exclude grouped rows by using the HAVING clause

Displaying Data from Multiple Tables

Write SELECT statements to access data from more than one table using equijoins and nonequijoins
Join a table to itself by using a self-join
View data that generally does not meet a join condition by using outer joins
Generate a Cartesian product of all rows from two or more tables

Using Subqueries to Solve Queries

Define subqueries
Describe the types of problems that subqueries can solve
List the types of subqueries
Write single-row and multiple-row subqueries

Using the Set Operators

Describe set operators
Use a set operator to combine multiple a single query
Control the order of rows returned

Manipulating Data

Describe each data manipulation language (DML) statement
Insert rows into a table
Update rows in a table
Delete rows from a table
Control transactions

Using DDL Statements to Create and Manage Tables

Categorize the main database objects
Review the table structure
List the data types that are available for columns
Create a simple table
Explain how constraints are created at the time of table creation
Describe how schema objects work
Drop, rename and truncate tables

Creating Other Schema Objects

Create simple and complex views
Retrieve data from views
Insert, update and delete data through a view
Alter the definition, and drop a view
Create, maintain, and use sequences
Create and maintain indexes
Create private and public synonyms

Managing Objects with Data Dictionary Views

Use the data dictionary views to research data on your objects

Query various data dictionary views

Controlling User Access

Differentiate system privileges from object privileges

Grant privileges on tables

View privileges in the data dictionary

Grant roles

Distinguish between privileges and roles

Managing Schema Objects

Add constraints

Create indexes

Create indexes using the CREATE TABLE statement

Creating function-based indexes

Drop columns and set column UNUSED

Perform FLASHBACK operations

Create and use external tables

Manipulating Large Data Sets

Manipulate data using subqueries

Describe the features of multitable INSERTs

Use multiple types of INSERTs

Merge rows in a table

Generating Reports by Grouping Related Data

Use the ROLLUP operation to produce subtotal values

Use the CUBE operation to produce crosstabulation values

Use the GROUPING function to identify the row values created by ROLLUP or CUBE

Use GROUPING SETS to produce a single result set

Managing Data in Different Time Zones

Use Various datetime functions

Retrieving Data Using Subqueries

Write a multiple-column subquery

Use scalar subqueries in SQL

Solve problems with correlated subqueries

Update and delete rows using correlated subqueries

Use the EXISTS and NOT EXISTS operators 6: Use the WITH clause

Hierarchical Retrieval

Interpret the concept of a hierarchical query

Create a tree-structured report

Format hierarchical data

Exclude branches from the tree structure

Regular Expression Support

Using Meta Characters

Regular Expression Functions

Replacing Patterns

Regular Expressions and Check Constraints

Producing Readable Output with iSQL*Plus

Produce queries that require a substitution variable

Produce more readable output

Create and execute script files