



Oracle Database 19c SQL Fundamentals

Retrieving Data Using the SQL SELECT Statement

- List the capabilities of SQL SELECT statements
- Execute a basic SELECT statement

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 to restrict and sort output at runtime

Using Single-Row Functions to Customize Output

- Describe various types of functions available in SQL
- Use character, number, and date functions in SELECT statements

Using Conversion Functions and Conditional Expressions

- Describe various types of conversion functions that are available in SQL
- Use the TO_CHAR, TO_NUMBER, and TO_DATE conversion functions
- Apply conditional expressions in a SELECT statement

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 non-equijoins



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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 the 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 queries into 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

Creating Other Schema Objects

Create simple and complex views



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Retrieve data from views
Create, maintain, and use sequences
Create and maintain indexes
Create private and public synonyms

For Any Clarification please feel free to contact @ +91 9867328291.

Cheers,
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