Oracle Database SQL-Course : 16hrs : Rs . 10,000/-

What you will Learn

Understand SQL statements, as well as the Oracle Relational Database.

Use SQL Developer.

Write reports using SQL statements.

Manipulate data in relational tables and save the data.

Understand the concepts of relational databases and the powerful SQL programming language.

Write reports using SQL Statements

Course Objectives

Define the goals of the course

List the features of Oracle Database 10,11g,12c

Discuss the theoretical and physical aspects of a relational database

Describe Oracle server's implementation of RDBMS and object relational database management system (ORDBMS)

Identify the development environments that can be used for this course

Describe the database and schema used in this course

Required Prerequisites

Familiarity with data processing concepts and techniques

Familiarity with programming languages

Set Up and Installation Details

For Online Session – Internet required
First Demo Session inclusive of the Cost will cover the installation on Windows Machine(Not LinuX)
Either 32x/64x
Snapshots on How to get the Oracle Database s/w with SQL developer from the oracle website will also be shared with Snapshots, post registration process.

Registration Process Details

You need to call the Trainer, Confirm your Time Slots

Trainer will confirm avialability in a mail

A Demo Session will be arranged

Post which you have to pay 100% fees (Not refundable, unless training cannot happen)

All communication will be done on Mail.

Course Coverage Details Session Wise breakup

Session 1 Basic SQL Statements

- **Capabilities of SQL SELECT statements with their functionalities**
- **SQL statement that includes an arithmetic expression**
- **Assign an alias to a column heading when retrieving data from a table**

Sorting and Filtering Data

- **Query that restricts rows returned by using the WHERE clause**
- **Comparison operators with the WHERE clause**
- **Use of IN, LIKE & BETWEEN Operator**
- **Manipulating NULL values**
- **Query with logical operators**
- **ORDER BY Clause**
- **Sorting Data in Ascending and Descending**
- **Sorting Data with multiple Columns**

Session 2 Single Row Function and Group Function

- **Introduction to Character, Numeric & Date Functions**
- **Introduction to Group Function**
- **Implementing GROPU BY Clause in Select Statement**
- **Manage NULL values in Group Functions**
- **Restrict groups of rows retrieved by using HAVING Clause**
- **Identify illegal queries involving in group functions**
- **Nested Group Functions**

Session 3 Joins

- **Introduction to Join**

- **Retrieving Data from more than one table**
- **Using Joins with Column alias**
- **Joining tables using JOIN operator and ON Clause**
- **Types of Joins**
- **Implementing Joins for Unmatched values**

Session 4 SubQuery

- **Requirements for using subqueries**
- **Single-row subquery to return one row in the WHERE clause**
- **Single-row subquery with HAVING clause**
- **Common errors that occur when using single-row subquery**
- **multiple-row subquery using the IN, ALL, ANY operator**
- **Subquery with NULL Operator**
- **Pairwise and Non-Pairwise subquery**

Session 5-6 Create & Modify Tables

- **SQL CREATE TABLE Statement**
- **SQL ALTER TABLE Statement**
- **SQL DROP TABLE Statement**

Creating Tables with Constraints

- **Constraints in Tables**
- **Usage of Constraints in Tables**
- **Constraints and their types**
- **Column level and Table level constraints**
- **Create Table Statement with constraint**
- **Alter Table Statement with constraint**
- **Dropping and Disabling Constraints**

Session 7-8 Views, Synonym and Index

- **Introduction to Views**
- **Advantages and types of views**
- **Create View Statement**
- **Alter View Statement**
- **Restrictions on views**

- **Implementing Subquery in views**
- **Introduction to Index**
- **Types of Index and their functionalities**
- **Create Index Statement**
- **Situations to create Indexes**

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