Oracle11g SQL & SQL*Plus

Course Summary

Description

From an examination of single table operations to the complexities of accessing multiple tables using joins or sub queries, this course provides a thorough introduction to interactive SQL. This course also introduces the student to basic SQL*Plus operations required to enter, edit, and run SQL statements, produce reports, and write interactive SQL scripts through SQL*Plus. Coding examples and workshops serve to reinforce the material presented in class.

Topics

- Data Retrieval Operations
- Multi-Table Operations
- Data Manipulation Operations
- Security
- Miscellaneous SQL
- SQL*Plus

Audience

This course is designed for Programmers, Analysts, Database Administrators, and Users who must access data in an Oracle database.

Prerequisites

Students should have previously taken the Oracle11g Concepts and Facilities course.

Duration

Three days

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Course Outline

I. Data Retrieval Operations
- A. SELECT Statement
- B. Sorting the Result (ORDER BY)
- C. Pattern Matching (LIKE)
- D. CASE Expressions
- E. Built-In Functions
- F. Processing Date/Time Information

II. Multi-Table Operations
- A. Inner Join
- B. Outer Join
- C. ANSI Join Syntax
- D. Subqueries
- E. Correlated Subqueries
- F. Recursive Queries

III. Data Manipulation Operations
- A. UPDATE Statement
- B. DELETE Statement
- C. INSERT Statement

IV. Security
- A. Views
- B. GRANT Statement
- C. REVOKE Statement

V. Miscellaneous SQL
- A. Processing Null Values
- B. Sequences
- C. UNION, INTERSECT, and MINUS

VI. SQL*Plus
- A. Enter, Edit, and Run SQL Statements
- B. Customize the SQL*Plus Environment with the SET Command
- C. Format Query Results

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