

## Oracle11g SQL Fundamentals

**Length:** 3 Days

**Audience:** Programmers, Analysts, Database Administrators, and Users who must access data in an Oracle database.

**Prerequisite:** Oracle11g Concepts and Facilities

**Overview:** From an examination of single table operations to the complexities of accessing multiple tables using joins or subqueries, this course provides a thorough introduction to interactive SQL. Students will be introduced to the SQL Developer and SQL\*Plus tools.

Coding examples and workshops serve to reinforce the material presented in class.

### Topics discussed include:

- Data Retrieval Operations
  - SELECT Statement
  - Sorting the Result (ORDER BY)
  - Pattern Matching (LIKE)
  - CASE Expressions
  - Built-In Functions
  - Processing Date/Time Information
- Multi-Table Operations
  - Inner Join
  - Outer Join
  - ANSI Join Syntax
  - Subqueries
  - Correlated Subqueries
  - Recursive Queries
- Data Manipulation Operations
  - UPDATE Statement
  - DELETE Statement
  - INSERT Statement
- Security
  - Views
  - GRANT Statement
  - REVOKE Statement
- Miscellaneous SQL
  - Processing Null Values
  - Sequences
  - UNION, INTERSECT, and MINUS