

Oracle Database 10G: Introduction to SQL

ORO3000

5 day

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Prerequisites

- No mandatory prerequisites

Course Summary

This course is a common starting point in the Oracle database curriculum for administrators, developers and business users. The objective of this course is to provide an introduction to the SQL database language within the context of an Oracle database. Specific subject areas to be explored and objectives to be reached are: • A summation of relational database principles and an introduction to the Oracle relational database server. • Using the iSQL*Plus web-based database interface and other traditional interfaces. • Writing simple SQL queries and moderately complex SQL queries using various join techniques. • Summarizing, grouping and sorting data. • Advanced query techniques such as correlated subqueries. • Developing simple SQL*Plus reports. • Creating and maintaining database tables. • Taking advantage of new features such as the use of regular expressions. • Moving beyond basic table definitions, consideration of defining the full range of database objects, such as advanced table definitions, indexes, sequences, views and others. • Understanding basic database security and object privileges. • Using the powerful set of built-in SQL functions. • Protecting the database and extending the basic data model using declarative constraints. • Performing advanced SQL queries such as grouping and cube operations and SQL99 join syntax. • Developing complex SQL*Plus reports and using SQL*Plus scripts. Target Audience The target audience for this course is all Oracle professionals, both business and systems professionals. Among the specific groups for whom this course will be helpful are: • Application designers and developers. • Database administrators. • Business users and non-technical end users.

Lessons

1 - RELATIONAL DATABASES & SQL

2 - USING SQL*PLUS

3 - BUILDING A SELECT STATEMENT

4 - ORDERING THE RESULT TABLE

5 - PSEUDO COLUMNS & FUNCTIONS

6 - JOINING TABLES

7 - USING SET OPERATORS

8 - SUMMARY FUNCTIONS

9 - USING SUBQUERIES

10 - CREATING & SELECTING GROUPS

11 - SQL*PLUS COMMANDS

12 - BUILD SIMPLE SQL*PLUS REPORTS

13 - SQL DATA DEFINITION LANGUAGE

14 - SQL DATA MANIPULATION LANGUAGE