SETC Training Corporate Logo

Oracle Training: SQL Data Analysis with Toad Intermediate (SQLTO, 4 jours)

Description

The course SQL Data Analysis with Toad Intermediate (Oracle Training) explores the SQL language with Oracle and Toad. The training includes SQL basics including filtering, sorting, single and multi table join strategies, subqueries, correlated subqueries & more. The course also covers stored procedures and discusses common SQL tasks in an Oracle environment.

Tarifs

- Tarification: $3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Working with Toad

- Overview of the Toad Environment
- Organizing File with Toad
- Writing Scripts with Toad
- Debugging Scripts with Toad
- Exploring Toad's Functional Capabilities
- Configuring Toad to Work for You

Relational Database Essentials

- Relational Database Concepts » Tables, Fields and Rows
- Understanding Data Normalization
- About Entity Integrity: Primary Keys
- About Referential Integrity: Foreign Keys
- About Domain Integrity: Checks and Defaults
- Overview of Oracle Data Storage Structures and Performance Implications

Mastering the Data Retrieval: The Basics

- The Basic Structure
- About Statement Processing
- Working with Aliases and Headers
- Writing Where Statements
- Performing Pattern Matching
- Querying for Ranges
- Writing Predicates for Specific Data Types
- Sorting Data
- Retrieving Unique Values
- Making use of Union

Mastering Data Retrieval: Working with Multiple Tables

- The Anatomy of the Statement
- Working with Point and Range Queries
- Writing Multi-Table Statements: Exploring Joins
- Exploring Join Types: Inner Outer and Cross
- Optimizing Joins
- Using Regular Sub-Queries
- Using Correlated Sub-Queries

Comparing Performance Profiles
Mastering Aggregate Calculations
The Anatomy of Aggregate Value Statements
Exploring Group By
Exploring Oracle Aggregate Functions
Dealing with Multiple Tables
Modifying Data
Working with New Data
Working with Data Modification
Working with Data Suppression
Working with Multiple Records
Performing Bulk Operations
SQL Common Tasks
Working with Automatic Increments
Working with Strings
Working with Dates and Time
Working with NULL Values
Working with Numeric Data Types
Advanced Tasks
Identifying Duplicate Values
Generating Rank
Generating Median
Generating Running Totals
Generating Percent To Total
Generating Cumulative Percent To Total
Creating Stored Procedures
The Performance Advantages of Stored Procedures
Creating Stored Procedures
Working with Input Parameters
PLSQL Programming Essentials
Storing Stored Procedures
Putting it All Together