Developing SQL Queries for Oracle Databases

Course: **00133**

Filter: **Beginner**

Duration: **2 days**

Category:: **Database Programming**

Price: **1500,00 €**

About Course

Increase productivity and maximize the potential of SQL to formulate intricate queries for Oracle databases. In this training course, you learn to solve business problems easily, efficiently, and elegantly with only a few lines of SQL code, and gain the practical skills to choose the best query method — ensuring accuracy and avoiding common errors or pitfalls.

What you'll learn

- Maximize the potential of SQL to formulate complex queries
- Thoroughly test SQL queries and avoid common errors
- Select the most efficient solution to complex SQL problems
- Leverage the analytical functions of Oracle
- Employ inner joins, outer joins, cross joins, and self joins

Pre-requisites

None

Curriculum

Module 1: Introduction and Overview

- The uses of SQL queries
- Enhancing query performance

Module 2: Leveraging SQL Functions to Build Queries

- Aggregate functions
- Single-row functions

Module 3: Performing Extensive Analysis with Analytical Functions

- Calculating ranks
- Extending the use of aggregates

Module 4: Developing Complex Joins

- Creating inner and outer joins
- How and when to use self-joins
- Applying the ANSI standard join syntax
- Manipulating the set operators

Module 5: Building Subqueries

- Noncorrelated subqueries
- Handling correlated subqueries
- Subqueries in the FROM clause
- Subqueries as expressions

Module 6: Employing Views and Temporary Tables

- Overcoming obstacles with views
- Temporary tables as alternatives to views

Module 7: Introducing Oracle 12

- Limiting the number of rows returned with FETCH
- Retrieving partly results with OFFSET
- Simulating joins with lateral views and APPLY
- Declaring local functions in the WITH clause