SETC Training Corporate Logo

PLSQL Training: PLSQL Deep Dive (PLSQLADV, 4 jours)

Description

The course PLSQL Training: PLSQL Deep Dive for Operations will have you explore practical PLSQL for every day operations. The course starts with a quick review of Oracle database architecture and table structure for normalization. What follows is a truly exhaustive study of SQL syntax, indexes, aggregate data, and everything that you ever wanted to know about both regular and correlated sub-queries. The course ends with good old-fashioned PLSQL programming starting with the core language and ending with procedures and functions. If you want to learn how to write practical PLSQL, this is the PLSQL training course that you need.

Tarifs

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

Plan de cours

Oracle Databases and Tables

- Overview of Oracle Database Architecture
- About Database Tables and Data Normalization
- About Domain Integrity
- About Entity Integrity
- About Referential Integrity
- A Note on Performance

Structured Query Language (SQL) Basics

- Understanding the Structure of Relational Data
- Retrieving Data
- Adding Table Records
- Modifying Data
- Deleting Data
- The SQL Language: Working with Dates
- The SQL Language: Working with NULL

Introduction to Indexing

- Overview of Indexes: Ensuring Performance
- Using Indexes the Correct Way: OLAP vs OLTP Servers
- Creating and Maintaining Indexes
- About Point and Range Queries
- Choosing Indexes
- Putting it All Together

Working with Aggregate Data

- Aggregate Data: Essential Concepts
- Working with Multiple Levels
- Performance Considerations
- CUBE and ROLLUP
- Building crosstab reports
- Utilizing the PIVOT operator in Oracle 11g
- RANK and DENSE_RANK
- Partitioning in multiple levels

Advanced SQL Querying
Multiple-Table Join Strategies
Using Multi-Table Joins
Working with Inner and Outer Joins
Adding filter conditions to OUTER JOINS
Working with CONNECT BY in a Join
Understanding Self Joins
Recursive Self-Joins and CONNECT BY
Working with INTERSECT
Mastering Sub-Queries
About Sub-Queries and Correlated Sub-Queries
Sub-Queries: Structure and Syntax
Working with Point Sub-Queries
Working with Range Sub-Queries
Working with NULL Values
Working with Multi-Row Sub-Queries
Working with Multi-Column Sub-Queries
Sub-Query Performance: Index Considerations
Sub-Queries Part II: Practical Considerations
Breaking up Complex Problem
Factoring Subqueries for Reusability
Applying Recursive Factored Subqueries
Subqueries as Parameters to Functions
Correlated and Non-Correlated Subqueries in Expressions
PL/SQL Language Fundamentals
PL/SQL Programming Basics
Entering PL/SQL Using SQL*Plus
PL/SQL Script Development Basics
PL/SQL Blocks
PL/SQL Data Types
PL/SQL Variables
Controlling PL/SQL Program Flow
PL/SQL Procedures and Functions
Overview
Creating Procedures and Functions
Simple Stored Procedures
Stored Procedures with Parameters
Working with Arrays and Collections
Working with Objects
Creating PL/SQL Packages