

PLSQL Training: The Complete PL/SQL Programming Course (ORASQLCP, 4 jours)

Description

The course The Complete PL/SQL Programming Course (PLSQL Training) is a detailed exploration of the PL/SQL language and its many nooks and crannies. The course covers basic & advanced SQL techniques and PL/SQL programming fundamentals. The training also includes cursors, triggers, stored procedures & functions, sequences and packages. Finally, the course discusses object oriented programming, Java integration, XML processing & performance tuning with indexes. This PL/SQL course will teach you how to write great PL/SQL code.

Tarifs

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

Plan de cours

The Oracle Development Environment

Learning Objectives
The Oracle RDBMS
Oracle Server Product Overview
PL/SQL Overview
Oracle Application Development Tools
What We Have Learned and the Real World

Configuring and Creating Oracle Databases

Learning Objectives
Oracle Relational DB Management System
Tablespaces, Datafiles and Control Files
Using the Oracle SQL*PLUS Utility
Optimizing Table Storage
What We Have Learned and the Real World

Creating Oracle Database Tables

Learning Objectives
Working with Schemas
Security
Creating and Managing Table
Creating Tables
Dealing with Time Zones
Datetime SQL Functions
What We Have Learned and the Real World

Structured Query Language (SQL) Basics

Learning Objectives
Retrieving Records
Retrieving Aggregate Values
Adding Table Records Using INSERT INTO
Advanced Sub-Queries
Deleting Data
What We Have Learned and the Real World

Constraints and Sequences

Learning Objectives
Database Integrity and Constraints
Integrity Constraints
Primary Key Constraints
Referential Integrity: Foreign Keys
Modifying Tables and Constraints
Sequence
Retrieving Table and Constraint Information
What We Have Learned and the Real World

Advanced SQL Querying

Learning Objectives
Multiple-Table Join Strategies
Using Multi-Table Joins
Creating and Using Sub-Queries
Creating and Using Stored Views
What We Have Learned and the Real World

PL/SQL Language Fundamentals

Learning Objectives
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
What We Have Learned and the Real World

PL/SQL Procedures and Functions

Learning Objectives
Overview
Creating Procedures and Functions
Simple Stored Procedures
Stored Procedures with Parameters
What We Have Learned and the Real World

PL/SQL Packages

Learning Objectives
Creating PL/SQL Packages
Oracle WRAP Utility
What We Have Learned and the Real World

Oracle Database Triggers

Learning Objectives
Triggers
Creating Triggers
Using Triggers for Logging
System Triggers

Working with PL/SQL Records

Learning Objectives
PL/SQL Records
Defining Record Types in PL/SQL
Defining Record Types as Object Types
What We Have Learned and the Real World

PL/SQL Collections

Learning Objectives

Introduction

PL/SQL Collections Overview/Types

Working with Varrays

Using Nested Tables

Using Associative Arrays

Collection Reference

PL/SQL Error Handling

Learning Objectives

Oracle Errors

Custom Errors

Exception Handling

Raising Exceptions

Handling User Exceptions

Handling PL/SQL Exception

Propagating Exception

What We Have Learned and the Real World

Object Oriented Programming with PL/SQL

Learning Objectives

PL/SQL and Object Oriented Programming

Creating Objects

Methods

Object Table

Using DML with Objects

What We Have Learned and the Real World

XML Processing

Learning Objectives

Processing XML Data

Creating XML Documents

Validating XML Data against a Schema

A Few Examples

What We Have Learned and the Real World

Oracle and Java

Learning Objectives

Preparing the Environment

Using loadjava and dropjava

Managing Java

Using DBMS_JAVA and DBMS_JAVA_TEST

Publishing and Using Java

A Few Useful Examples

What We Have Learned and the Real World

Best Practices and Performance Tuning

Learning Objectives

Overview

Optimization and Performance Tuning

Using Indexes

Common Mistakes and their Solutions

What We Have Learned and the Real World