

# PLSQL Training: Objects, Librairies, XML, Java & More (PLS301, 3 jours)

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## Description

The course Objects, Libraries, XML, Java & More (PLSQL Training) covers the advanced elements of PL/SQL. Beginning with stored procedures & functions, the training discusses database triggers, PL/SQL records, PL/SQL collections, PL/SQL error handling & object oriented programming in PL/SQL. The course concludes with XML processing, Java integration and performance tuning & optimization in Oracle.

## Tarifs

- Tarification: \$2,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

## Plan de cours

### Advanced SQL Querying

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Multiple-Table Join Strategies

Using Multi-Table Joins

Creating and Using Sub-Queries

Advanced Sub-Queries

Creating and Using Stored Views

Working with CLOBs and BLOBs

### PL/SQL Procedures and Functions

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Overview

Creating Procedures and Functions

Simple Stored Procedures

Stored Procedures with Parameters

### Oracle Database Triggers

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Triggers

Creating Triggers

Using Triggers for Logging

System Triggers

### Working with PL/SQL Records

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PL/SQL Records

Defining Record Types in PL/SQL

Defining Record Types as Object Types

### PL/SQL Collections

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Introduction

PL/SQL Collections Overview/Types

Working with Varrays

Using Nested Tables

Using Associative Arrays

Collection Reference

### PL/SQL Error Handling

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Oracle Errors

Custom Errors

Exception Handling

Raising Exceptions

Handling User Exceptions

Handling PL/SQL Exception

Propagating Exception

Object Oriented Programming with PL/SQL

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PL/SQL and Object Oriented Programming

Creating Objects

Methods

Object Table

Using DML with Objects

XML Processing

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Processing XML Data

Creating XML Documents

Validating XML Data against a Schema

A Few Examples

Oracle and Java

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Preparing the Environment

Using loadjava and dropjava

Managing Java

Using DBMS\_JAVA and DBMS\_JAVA\_TEST

Publishing and Using Java

A Few Useful Examples

Best Practices and Performance Tuning

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Overview

Optimization and Performance Tuning

Using Indexes

Common Mistakes and their Solutionss