

Workshop Overview

This training program covers essential and advanced PL/SQL concepts.

Participants will benefit of our senior trainer team and their project and development experience.

Key Topics

- basics of arrays and collections, dynamic programming, optimization and object-oriented techniques.
- Participants will gain knowledge and practical skills to effectively use Oracle PL/SQL in real-world applications
- There will be a strong focus on hands-on labs and projects

Language: English

Duration: The duration is 10 days.

Each day will be split into

a morning session (09:00 – 12:00 CET)

an afternoon session (15:00 – 17:00 CET).

Dates

We have scheduled the following weeks and are flexible to schedule additional dates if needed by your organization:

Week 1: 23. – 27. September 2024

Week 2: 07. – 11. October 2024

Costs per Participant and day

Standard Price: 450,- € (plus VAT)

Special Offer to introduce this new training program:

350,- € (plus VAT) per participant and day.

The Overview of the training sessions and topics are found overleaf

Workshop Programm: Sessions, Topics and Details

Session	Day	Topics	Details
1	1	PL/SQL Basics and Arrays in PL/SQL	I - Introduction to PL/SQL II. - TYPES OF ARRAYS/ Nested tables and VARRAYS in PL/SQL (Part 1) III. - TYPES OF ARRAYS/ Nested tables and VARRAYS in PL/SQL (Part 2) IV. Project: create and manipulate different types of arrays
	2		IV. - COLLECTION METHODS
2	3	Bulk Operations & Table Functions	I. Bulk Binding & Bulk DML with FORALL II. Bulk Binding & Bulk DML with FORALL Project III- Table Functions & Pipelined Table Functions IV- Exercise: Implement bulk operations using FORALL Project: develop and test table functions in real-world scenario
3	4	Dynamic Programming And REF CURSOR	I -Definition of Dynamic programming with DBMS_SQL II- Introduction to Dynamic SQL Concepts Using DBMS_SQL and EXECUTE IMMEDIATE III- Implement Dynamic SQL CONCEPTS (small projects) IV- REF CURSORS V.- REF CURSORS Advanced VI- Exercise and project: create dynamic PL/SQL procedures utilizing REF CURSORS
	5		
4	6	Advanced PL/SQL Packages	I - Introduction to PL/SQL Packages II - Advanced Queuing (AQ) III - Hands-On Lab IV.- Exploring Additional PL/SQL Packages V. - Project and Tasks
	7		
5	8	PL/SQL Optimization & Object-Oriented Concepts	I.- Introduction to PL/SQL Optimization II.- Advanced Optimization Techniques III.- Project and Practice IV.- Object-Oriented Concepts in PL/SQL & Regular Expressions V.-Implement Object-Oriented Concepts In PL/SQL Through A Hands-On Project
	9		
6	10	Interfaces & External Connections	I.- Interfaces & External Connections II.- Project III. - Innovations in PL/SQL & Final Project

There is a more detailed agenda of the training workshop.

To get any additional information please send an email to Juergen.hoefert@effecct.com.