Information Technology

SQL Developer - PL & SQL

Course Introduction

This training course is designed to provide participants with an introduction to development of PL/SQL. This will allow participants to explore the benefits of the PL/SQL programming language. The SQL Developer course will focus mainly on topics such as controlling code flow (loops, control structures), using PL/SQL packages to group and contain related constructs, and triggers used to solve business challenges. This will ensure participants of the knowledge to manage performance and optimize database workloads, lower IT costs and deliver a higher quality of service by enabling consolidation onto database clouds.

Target Audience

- Cloud Computing Engineer
- Computer Network Specialist
- Computer Support Specialist
- Database Administrator
- Information Technology Analyst
- Information Technology Leadership
- Information Security Specialist
- Software/Application Developer
- Web Developer
- Technology sales consultant

Learning Objectives

- Gain a comprehensive understanding of the PL/SQL development environments.
- Identify the benefits of PL/SQL programs and subprograms.
- Design a PL/SQL packages to group related constructs and PL/SQL anonymous blocks that execute efficiently

- Use Oracle supplied PL/SQL packages to generate screen output, file output and mail output.
- Write dynamic SQL for more coding flexibility.
- Describe the features and syntax of PL/SQL.
- Create and debug stored procedures and functions.
- Use PL/SQL programming constructs and conditionally control code flow (loops, control structures, and explicit cursors).
- Manage dependencies between PL/SQL subprograms.
- Handle runtime errors and create triggers to solve business challenges.

Course Outline

- **Day 01**

  Introduction to PL/SQL Development

  - Introduction to PL/SQL
  - Declare PL/SQL Identifiers
  - Write Executable Statements
- **Day 02**

  Interaction with the Oracle Server

  - Control Structures
  - Composite Data Types
  - Explicit Cursors
- **Day 03**

  Interaction with the Oracle Server

  - Control Structures
  - Composite Data Types
  - Explicit Cursors
- **Day 04**

  Deploying Packages

  - Implement Oracle-Supplied Packages in Application Development
  - Dynamic SQL

◦ Design Considerations for PL/SQL Code
  • **Day 05**

  Triggers

      ◦ Creating Compound, DDL, and Event Database Triggers
      ◦ PL/SQL Compiler
      ◦ Manage Dependencies

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
June 30, 2025	July 4, 2025	5 days	4250.00 $	UAE - Dubai
Sept. 22, 2025	Sept. 26, 2025	5 days	4950.00 $	Azerbaijan - Baku
Dec. 29, 2025	Jan. 2, 2026	5 days	4250.00 $	UAE - Dubai