

OD-19c-PW: Oracle Database 19c PLSQL Workshop

Duration: 5 days; /35 hours; Instructor-led/
remote online training

Time: 9.00am – 5.00pm

Break: 10.15am – 10.30am /3.15pm – 3.30pm

Lunch: 1.00pm – 2.00pm

WHAT YOU WILL LEARN

This course introduces students to PL/SQL, Procedural Language for SQL. Explore the differences between SQL and PL/SQL. Examine the characteristics of PL/SQL and how it is used to extend and automate SQL.

SKILLS COVERED

- PLSQL programming structure
- Using Explicit and Implicit Cursors in PLSQL
- For, while and basic Loop Processing in PLSQL
- Programmer Defined Procedures and Functions
- Using UTL_FILE and Directories for I/O
- Exception Handling

AUDIENCE

- End users
- Business analysts
- Application developers
- Database administrators

PREREQUISITES

Basic computer skills.

METHODOLOGY

This program will be conducted with interactive lectures, PowerPoint presentation, discussion, and practical exercise.

COURSE OUTLINES

Module 1: Introduction

Module 2: Introduction to PL/SQL

Module 3: Declaring PL/SQL Variables

Module 4: Writing Executable Statements

Module 5: Using SQL Statements Within a PL/SQL Block

Module 6: Writing Control Structures

Module 7: Working with Composite Data Types

Module 8: Using Explicit Cursors

Module 9: Handling Exceptions

Module 10: Introducing Stored Procedures and Functions

Module 11: Creating Procedures

Module 12: Creating Functions

Module 13: Debugging Subprograms

Module 14: Creating Packages

Module 15: Working with Packages

Module 16: Using Oracle-Supplied Packages in Application Development

Module 17: Using Dynamic SQL

Module 18: Creating Triggers

Module 19: Creating Compound, DDL, and Event Database Triggers

Module 20: Design Considerations for the PL/SQL Code

Module 21: Tuning the PL/SQL Compiler



Module 22: Managing Dependencies