

OD-12cR2-PP: Oracle Database 12c R2: Program with PL/SQL

Course Code: OD-12cR2-PP

Duration: 5 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

OVERVIEW

This Oracle Database: Program with PL/SQL training starts with an introduction to PL/SQL and then explores the benefits of this powerful programming language. Through hands-on instruction from expert Oracle instructors, you'll learn to develop stored procedures, functions, packages and more.

Learn To:

- Conditionally control code flow (loops, control structures).
- Create stored procedures and functions.
- Use PL/SQL packages to group and contain related constructs.
- Create triggers to solve business challenges.
- Use some of the Oracle supplied PL/SQL packages to generate screen output and file output.
- Create custom packages for applications.
- Write Dynamic SQL code for applications.

SKILLS COVERED

Upon completing this course, the learner will be able to meet these overall objectives:

- Manage dependencies between PL/SQL subprograms

- Use PL/SQL programming constructs and conditionally control code flow (loops, control structures, and explicit cursors)
- Create stored procedures and functions
- Use conditional compilation to customize the functionality in a PL/SQL application without removing any source code
- Use the Oracle supplied PL/SQL packages to generate screen output, file output and mail output
- Write dynamic SQL for more coding flexibility
- Create overloaded package subprograms for more flexibility
- Create triggers to solve business challenges
- Create and debug stored procedures and functions
- Describe the features and syntax of PL/SQL
- Design PL/SQL anonymous blocks that execute efficiently
- Design PL/SQL packages to group related constructs
- Handle runtime errors

WHO SHOULD ATTEND?

- PL/SQL Developer
- Application Developers
- Database Administrators
- System Analysts
- Forms Developer
- Developer
- Technical Consultant
- Portal Developer

PREREQUISITES

- Oracle Database: Introduction to SQL
- Oracle Database: SQL Workshop II Ed 2
- Oracle Database: SQL Workshop I Ed 2

MODULES

Module 1: Introduction

**Module 2: Working with Oracle Cloud Exadata
Express Cloud Service**

Module 3: Introduction to PL/SQL

Module 4: Declare PL/SQL Variables

Module 5: Write Anonymous PL/SQL Blocks

Module 6: SQL Statements in a PL/SQL Block

Module 7: Control Structures

Module 8: Composite Data Types

Module 9: Explicit Cursors

Module 10: Exception Handling

Module 11: Stored Procedures

Module 12: Stored Functions

Module 13: Debugging Subprograms

Module 14: Packages

Module 15: Deploying Packages

**Module 16: Implement Oracle-Supplied
Packages in Application Development**

Module 17: Dynamic SQL

**Module 18: Design Considerations for PL/SQL
Code**

Module 19: Triggers

**Module 20: Creating Compound, DDL, and
Event Database Triggers**

Module 21: PL/SQL Compiler

Module 22: Manage Dependencies

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