Oracle Database: Develop PL SQL Program Units Training

Duration: **3 Day**

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Overview

This Oracle Database: PL/SQL Program Units course builds on existing knowledge of PL/SQL block structure, variables, control structures and exception handling to explore the benefits of building Program Units in this powerful programming language.

Through hands-on instruction from expert Oracle instructors, you'll learn to develop stored procedures, functions, packages and triggers and utilise Oracle provided packages.

Learn To:

- Develop stored procedures to carry out database modifications.
- Write functions to be called from PL/SQL code or SQL statements.
- Use PL/SQL packages to group and contain related constructs.
- Create triggers to solve business challenges.
- Use Oracle supplied PL/SQL packages to generate console and file output.
- Examine the dependency chain on program units prior to implementing changes.

Benefits to You:

- Develop sound, reliable program units to standardise and streamline your organisation's approach to maintaining data.
- You'll use Oracle SQL Developer to develop these program units. SQL*Plus is also available as an optional tool.

Prerequisites

Required

- Oracle Database: SQL Workshop (or equivalent knowledge)
- Oracle Database: PL/SQL Fundamentals

Suggested

- Familiarity with data processing concepts and techniques
- Familiarity with programming languages

Audience

- Database Administrator
- Developer
- Implementer
- Tester

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What You Will Learn

- Describe stored procedures and functions
- Create, use and debug stored procedures and functions
- Design and use PL/SQL packages to group and contain related constructs
- Create overloaded package subprograms for greater flexibility
- Use Oracle supplied PL/SQL packages to generate console and file output
- Write dynamic SQL for more coding flexibility
- Create Triggers
- Manage dependencies between PL/SQL subprograms

Outline

- Creating Stored Procedures
- Creating Functions
- Debugging Subprograms
- Creating Packages
- Working with Packages
- Using Oracle-Supplied Packages in Application Development
- Using Dynamic SQL
- Creating Triggers
- Creating Compound, DDL and Event Database Triggers
- Design Considerations for PL/SQL Code
- Tuning the PL/SQL Compiler
- Managing Dependencies