



Oracle Database 11g PL/SQL Fundamentals II

– Develop Program Units

Course ID#: 0380-073-11-W

21 Hrs

Course Content

Course Description:

This course will equip students to develop database server-side PL/SQL program units within an Oracle database. In addition to receiving the print copy of this course book, all students will receive e-Learning modules.

Prerequisites:

Target audience for this course is all Oracle professionals. Among the specific groups for whom this course will be helpful are:

- Application designers and developers
- Database administrators.

SQL Fundamentals and PL/SQL Fundamentals I or equivalent knowledge

Topics:

Introducing Database Program Units

- About Database Program Units
- Types of PL/SQL Program Units
- Types of Stored Program Units
- Advantages of Using Stored Program Units

Creating Stored Procedures & Functions

- About Stored Procedures & Functions
- Creating Procedures & Functions
- Executing Procedures and Functions

Maintaining Stored Procedures and Functions

- Recompiling and Dropping Programs
- Data Dictionary Storage
- Managing Dependencies

Creating and Maintaining Packages

- About Packages
- Creating Packages
- Advanced Programming Techniques
- Maintaining Packages

Advanced Cursor Techniques

- Using Cursor Variables
- Using Cursor Expressions

Using System-Supplied Packages

- DBMS_Output()
- UTL_File()

Reating Database Triggers

- About Database Triggers
- Statement-Level Triggers
- Row-Level Triggers
- Examples of Triggers
- Instead of Triggers
- Employing Triggers Within an Application

Maintaining Database Triggers

- CALL Syntax
- Trigger Maintenance Tasks
- SHOW ERRORS Trigger
- DROP Trigger
- ALTER Trigger
- Handling Multiple Triggers for a Table
- Handling Mutating Table Issues



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Implementing System Event Triggers

- What are System Event Triggers?
- Defining the Scope
- Available System Events
- System Event Attributes