



ORACLE®

PL SQL

Online Training



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Program Key Features

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About Course:

This **Oracle PL / SQL online training** course gives you the full set of skills required to create, implement, and manage robust database applications using Oracle Database Tools. The topics covered in this training include: Understanding of Basic Practical Language / Structured Query Language, Section and Syntax Query, Add-ons, Data manipulation language, Advanced DML, and Scripting. The entire training is in accordance with the Oracle PL / SQL certification.

Contents

Section 1: Introduction

- Course Objectives
- Course Agenda
- Human Resources (HR) Schema
- Introduction to SQL Developer

Section 2: Introduction to PL/SQL

- PL/SQL Overview
- Structure Of PL/SQL
- Benefits of PL/SQL Subprograms
- Overview of the Types of PL/SQL blocks
- Create a Simple Anonymous Block
- Generate Output from a PL/SQL Block

Section 3: PL/SQL Identifiers

- List the different Types of Identifiers in a PL/SQL subprogram
- Usage of the Declarative Section to define Identifiers
- Use variables to store data
- Identify Scalar Data Types
- The %TYPE Attribute
- What are Bind Variables?
- Sequences in PL/SQL Expressions

Section 4: Write Executable Statements

- Describe Basic PL/SQL Block Syntax Guidelines
- Comment Code
- Deployment of SQL Functions in PL/SQL
- How to convert Data Types?
- Nested Blocks
- Identify the Operators in PL/SQL

Section 5: Interaction with the Oracle Server

- Invoke SELECT Statements in PL/SQL to Retrieve data
- Data Manipulation in the Server Using PL/SQL
- SQL Cursor concept
- Usage of SQL Cursor Attributes to Obtain Feedback on DML
- Save and Discard Transactions

Section 6: Control Structures

- Conditional processing Using IF Statements
- Conditional processing Using CASE Statements
- Use simple Loop Statement
- Use While Loop Statement
- Use For Loop Statement
- Describe the Continue Statement
- Describe the GOTO Statements

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- The %ROWTYPE Attribute

- Insert and Update with PL/SQL Records
- Associative Arrays (INDEX BY Tables)
- Examine INDEX BY Table Methods
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- What are Explicit Cursors?
- Declare the Cursor
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- Explicit Cursor Attributes
- FOR UPDATE Clause and WHERE CURRENT Clause

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- What is Exception
- Understand Exceptions
- Handle Exceptions with PL/SQL
- Trap Predefined Oracle Server Errors
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- RAISE_APPLICATION_ERROR Procedure

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- What Is Procedure and Function
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- Create a Simple Procedure with IN parameter
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- Create a Simple Procedure with IN OUT parameter
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- Execute a Simple Function

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- Describe the PL/SQL Execution Environment
- Identity the benefits of Using PL/SQL Subprograms
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- Implement Procedures Parameters and Parameters Modes
- View Procedures Information Using the Data Dictionary Views and SQL Developer

Section 12: Create Stored Functions

- Create, Call, and Remove a Stored Function Using the CREATE Command and SQL Developer
- Identity the advantages of Using Stored Functions in SQL Statements
- List the steps to create a stored function
- Implement User-Defined Functions in SQL Statements
- Identity the restrictions when calling Functions from SQL statements
- Control Side Effects when calling Functions from SQL Expressions
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Section 13: Create Packages

- Identity the advantages of
- Describe Packages
- List the components of a Package
- Develop a Package
- How to enable visibility of a Package's components?
- Create the Package Specification and Body Using the SQL CREATE Statement and SQL Developer
- Invoke Package Constructs
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- What are Oracle-Supplied Packages?
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- TStandardize Constants and Exceptions
- Understand Local Subprograms
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- What is the PL/SQL Compiler?
- Describe the Initialization Parameters for PL/SQL Compilation
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- Oracle PL/SQL project environment setup in Spark Databox Lab
- Real-time Oracle PL/SQL project
- Project demonstration
- Expert evaluation and feedback

You made it!!

Post completion of Oracle PLSQL Online Course, a proper orientation for placements is done. With this training from experienced trainers, as professionals, you will be equipped with different proficiencies. This is a chance to open up and widen your prospects.

- Spark Databox Oracle PL/SQL course certification
- Interview preparation
- Mock interviews
- Resume preparation
- Knowledge sharing with industry experts
- Counseling to guide you to a right path in Oracle development career



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