

Oracle 11g: PL/SQL

Duration: 40 Hours

Prerequisites

- Oracle SQL

Topics

1. PL/SQL Structure

- Variables
- Data type

2. Creating the Executable Section

- Comments
- Literals
- Operator
- Output Statement
- Accepting input from user
- Variable scope
- Function
- Programs using SQL Statements in PL/SQL

3. Writing Control Structures

- If statement in PL/SQL
- If...else statement in PL/SQL
- Else if ladder statement in PL/SQL
- LOOPS in PL/SQL

4. Working with Composite Data Types

- PL/SQL Records
- Collections

5. Cursors

- PL/SQL Attributes Cursor Attributes
- Using cursor with for ...loop

6. Exception Handling

- What is an Exception?
- How to handle Exception?
- Predefined Exception
- Get information about error with – SQLCODE and SQLERRM
- Non Predefined Error
- User Defined Exception

7. Stored Procedures

- Advantages of procedures
- Creating procedure
- Formal and actual parameters in procedure
- Using Anonymous block to invoke a procedure
- Default option for parameters
- Using Sub Procedures
- Calling procedure from another procedure
- Handled and Unhandled Exception when procedure called
- Delete procedure

8. Functions

- Advantages of Functions
- Calling function in SQL statement
- Restriction on calling function in SQL statement
- Deleting a Function
- Difference between function and procedure

9. Packages

- Advantages of packages
- Package Structure
- Executing the procedure and function
- Removing package

10. Triggers

- Creating a trigger
- Accessing a column using row trigger
- Using Statement trigger
- Modifying a Trigger
- Enabling and Disabling a trigger
- Dropping a trigger

11. Oracle Architecture- Complimentary Session
