

# PL/SQL



SevenMentor  
PVT.LTD

## **Module 1: Introduction To PL/SQL**

Informal introduction to PL/SQL  
Advantages of PL/SQL  
Datatypes in PL/SQL  
Program structure of PL/SQL  
Embedding SQL statements  
Using conditional statements and loops

## **Module 2 :Creating And Using Cursors**

What is cursor?  
How to create cursor?  
Using cursors in PL/SQL  
How to create explicit cursor?  
Creation of for loop cursor  
What are cursor parameters?  
How to use for update clause?  
What is ref cursors?  
How to use implicit cursors?

## **Module 3 :Understanding Exception Handling**

What is an Exception?  
Describing Exception types  
Handling system defined exceptions  
Handling user defined exceptions?  
Sql code vs Sql errm  
Pragma exception\_init



## **Module 4:Creation Of Stored Procedures**

Creating procedures in PL/SQL  
Working with procedure parameters  
IN parameter  
OUT parameter  
INOUT parameter  
How to create procedures with cursors  
How procedures return records?  
What is Pragma autonomous transaction?

## **Module 5 :Creating & Using Functions**

Importance of function  
How to create functions?  
Difference between procedures and functions  
How to use inline functions?

## **Module 6 :Creating & Using Packages**

What is a Package?  
Reasons to use packages  
What is package specification?  
What is package body?  
How to instantiate package?  
How to initialize instantiated package?  
What are all the package state?

## **Module 7 :Creating & Using Packages**

What is a Package?  
Reasons to use packages  
What is package specification?  
What is package body?  
How to instantiate package?  
How to initialize instantiated package?  
What are all the package state?



## Module 8:Triggers In PL/SQL

How to create triggers?  
Benefits of trigger  
How to trigger a trigger?  
Using DML trigger & DDL trigger  
How to audit database using triggers?  
What are database level trigger?

## Module 9:Collections In PL/SQL

What is collection?  
How to use arrays?  
Using nested tables  
How to use index by value?  
Listing types of collection methods.  
General overview and discussion about DBA Concepts

