PL/SQL Language Syllabus

By GharSeCode (GSC)

Course Title: Programming in PL/SQL

Course By: GSC (Ghar Se Code)

Duration: 3 Hrs

Code Spirit: Write Logic That Speaks to Databases

Topics	Detailed Overview
Introduction to PL/SQL	What is PL/SQL? Advantages of PL/SQL Architecture of PL/SQL Basic PL/SQL Block Structure
PL/SQL Basics	Variables and Constants Data Types Operators Control Structures (IF, CASE, LOOPs)
Cursors	Implicit Cursors Explicit Cursors Cursor Attributes Cursor FOR Loops
Exception Handling	Types of Exceptions Predefined and User-defined Exceptions RAISE Statement Exception Propagation
Stored Procedures	Creating Procedures IN, OUT, IN OUT Parameters Dropping Procedures
Stored Functions	Creating Functions Differences between Procedures and Functions Calling Functions in SQL
Packages	Creating Packages (Specification and Body) Package Initialization Private vs Public Objects
Triggers	Creating DML Triggers BEFORE and AFTER Triggers Row-level and Statement-level Triggers INSTEAD OF Triggers
PL/SQL Collections	Associative Arrays Nested Tables VARRAYs
Dynamic SQL	EXECUTE IMMEDIATE DBMS_SQL Package

	Binding Variables
Advanced Concepts	Bulk Collect and FORALL
	Performance Tuning Tips
	Autonomous Transactions