



NILESH
SQL CLASSES

NILESH SQL CLASSES

A 3D rendering of a large, light blue gear. Inside the gear, the text 'PL/SQL' is written in large, bold, red 3D letters. The gear is set against a light blue background with a subtle gradient.

PL/SQL

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ORACLE (PL/SQL) SYLLABUS

- ✦ Oracle PL/SQL
- ✦ Basics of PL/SQL
- ✦ PL/SQL architecture PL/SQL and SQL*Plus PL/SQL
- ✦ Basics Variables
- ✦ Constants
- ✦ Data types
- ✦ Error messages & user errors and show errors PL/SQL
- ✦ wrapper utility
- ✦ PL/SQL structures
- ✦ Simple blocks
- ✦ Control structures

- ✦ Recognizing the Basic PL/SQL
- ✦ Block and Its Sections
- ✦ Describing the Significance of Variables in PL/SQL
- ✦ Distinguishing Between PL/SQL and Non-PL/SQL
- ✦ Variables Declaring
- ✦ Variables and Constants
- ✦ Executing a PL/SQL Block Error
- ✦ checking $\frac{1}{2}$ exception handling

- Using the when others clause
- Ensuring complete error checking
- Passing error messages to calling routine
- Boolean logic in PL/SQL
- Identifying the Uses and Types of Control Structures
- Constructing an IF Statement
- Constructing and Identifying Different Loop Statements
- Controlling Block Flow Using Nested Loops and Labels

- ✦ Using Logic Tables
- ✦ if-then-else structure
- ✦ Testing for numbers characters and Booleans
- ✦ Switch
- ✦ for loop While loop
- ✦ Strings
- ✦ Using a cursor for a multi-row SQL query
- ✦ Iteration in PL/SQL
- ✦ Array



- Basics of stored procedures
- Basics of functions
- Stored procedures, functions
- Function and stored procedures prototypes Passing arguments to functions and stored procedures
- Recompiling functions and stored procedures

- ✦ Basic Cursors
- ✦ Defining Cursors
- ✦ Nested blocks in PL/SQL
- ✦ Creating nested blocks
- ✦ Understanding scope in nested blocks
- ✦ Records
- ✦ Types of Records
- ✦ Defining Records
- ✦ Defining Exceptions
- ✦ Exceptions Types
- ✦ Defining Triggers T
- ✦ Triggers in PL/SQL
- ✦ Triggers and database events

- ✦ Timing a trigger
- ✦ Enabling and disabling a trigger
- ✦ Basics of packages
- ✦ Package forward declaration
- ✦ Package dependency Package
- ✦ overloading
- ✦ What is Collection
- ✦ Types of Collection
- ✦ Bulking in PL/SQL
- ✦ Defining PL/SQL tables Reasons



- ✦ To use PL/SQL tables
- ✦ Populating a PL/SQL table
- ✦ Retrieving from a PL/SQL table
- ✦ Dynamic SQL in PL/SQL
- ✦ Introduction to the dbms_sql package
- ✦ Creating a dynamic SQL statement
- ✦ Bulk queries
- ✦ Bulk DML (for all statement)
- ✦ Using cursor attributes
- ✦ Analysing impact of bulk operations Database with MySQL



THANK

you