



**Complete Practical, Real-time Job Oriented Training**

## **Oracle PL SQL Training**

### **What is Database?**

Database is a platform to store any type of data, any amount of data. Easy to use and operate. Highly Secured and Robust.

### **What is Oracle?**

Oracle is a useful and reliable Database Management System (DBMS) Software that can help us to perform the day to day operations like Design, Storage, Retrieval, Security, Analysis, many more .. !

### **Who can use Oracle?**

1. Data Analysts
2. Database Developers
3. Database Admin

### **Who can join this course?**

Anyone. We start the classes from scratch, right from Basics of Oracle. 100% Practical, Real-time Scenario based and job orientation with Realtime Project !

### **Why to choose SQL School to master Oracle?**

We are a prominent training organization with proven track record to implement start of art learning methods for last 19 years. Beside ISO Certified Company, we have a decent client base for our LIVE Instructor Led Trainings with MindTree, ADP, TechM, Infosys, L&T, HCL, Sutherland Global, IMI Mobile, ValueLabs, more .. !

### **Oracle PLSQL Training:**

**Module 1: Oracle PLSQL Queries**

**Module 2: PLSQL Programming**

**Total Duration: 6 Weeks**

**Includes one Realtime Project**

### **We assure you:**

- ✓ **Step-by-step Practical Trainings**
- ✓ **100% Practical, Interactive**
- ✓ **Resume Guidance, Latest FAQs**
- ✓ **End to End Project Work**

👉 📅 For latest schedules, Free (LIVE) Demo: pls call us or visit: [www.sqlschool.com](http://www.sqlschool.com)

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# Detailed Course Content

## Module 1: Database Fundamentals, Oracle PLSQL Queries

### Ch 1: Database, DBMS

- ✓ Database Introduction
- ✓ Database Types, Purpose
- ✓ DBMS & Realtime Use
- ✓ Databases: Advantages
- ✓ DBMS Technologies
- ✓ Oracle DBMS: Intro

### Ch 2: Oracle Installation - 1

- ✓ Oracle Introduction, Features
- ✓ Oracle Advantages, Usage
- ✓ Oracle Versions and Editions
- ✓ Oracle Installation Guidance
- ✓ Pre-Requisites and Precautions
- ✓ Oracle SQL Command prompt
- ✓ Connect SQL Developer Tool
- ✓ New Users, Permissions, Grants

### Ch 3: Oracle Installation - 2

- ✓ Installation Verifications
- ✓ Installation Precautions
- ✓ Locking, Unlocking Users
- ✓ Password Resets
- ✓ Authentication Options
- ✓ SQL\* Plus Technology
- ✓ Oracle System user in Oracle
- ✓ Default Sysdba user

### Ch 4: Introduction to DBMS

- ✓ Features of RDBMS
- ✓ Advantages of RDBMS
- ✓ E.F Codd Rules for RDBMS
- ✓ Normalization Concepts
- ✓ Client Server Architecture
- ✓ Oracle Versions
- ✓ SQL & SQL\*PLUS

### **Ch 5: OLTP & OLAP**

- ✓ Database Types: OLTP & OLAP
- ✓ Real-world Advantages
- ✓ Relational Database Model
- ✓ Database Entities and Attributes
- ✓ RDBMS Databases: Usage
- ✓ Oracle DB OLTP Features
- ✓ Oracle an OLAP Features

### **Ch 6: SQL COMMANDS - I**

- ✓ Structured Query Language
- ✓ SQL Operations in Realtime
- ✓ Possible Operations with SQL
- ✓ Data Definition Language
- ✓ Data Retrieval Language
- ✓ Data Manipulation Language
- ✓ Transaction Control Language

### **Ch 7: SQL Commands - II**

- ✓ Security & Privileges (DCL)
- ✓ Queries and Statements
- ✓ Real-world uses of SQL
- ✓ Creating Users and Tables
- ✓ Table Inserts, Validations
- ✓ Data Types, DESCRIBE
- ✓ DDL Commands
- ✓ CREATE, ALTER, TRUNCATE
- ✓ DROP, RENAME

### **Ch 8: Special Operations in SQL**

- ✓ SQL Operators
- ✓ SET, AND, OR, NOT, IN
- ✓ Special Operators – IN (NOT IN)
- ✓ BETWEEN (NOT BETWEEN),
- ✓ Arithmetic & Logical Operators
- ✓ Operator Precedence
- ✓ UNION, UNION All & LIKE
- ✓ INTERSECT, MINUS, etc..
- ✓ IS NULL (IS NOT NULL)

### **Ch 9: Transaction Types**

- ✓ DCL and TCL Commands
- ✓ Transactions in Databases
- ✓ Transaction Types and Uses

- ✓ Commit and Rollback
- ✓ Transactions with SavePoints
- ✓ Read Consistency with SQL
- ✓ Transaction types in Oracle?
- ✓ Realtime use of Transactions
- ✓ Auto Commit, Explicit, etc..

#### **Ch 10: Grouping Query Results**

- ✓ Distinct Values in Tables
- ✓ Group, Aggregate function
- ✓ Group By Statement Syntax
- ✓ Group By Operations in SQL
- ✓ Having with Group By
- ✓ Order By Clause, Group By
- ✓ Grouping() Function Usage

#### **Ch 11: Single Row Function**

- ✓ Order By Clause and Group By
- ✓ SQL Group By Statement
- ✓ Arithmetic, Character Functions
- ✓ Date & Time, String Function
- ✓ Conversion, Analytical Functions
- ✓ Rank,Dense\_Rank,Row\_Number
- ✓ NVL(),NVL2(), NullIF(),Coalesce()

#### **Ch 12: Constraints & Keys - I**

- ✓ Importance of Data Integrity
- ✓ Data Integrity constraints
- ✓ Types of Integrity Constraints
- ✓ Domain Integrity Constraints
- ✓ Entity Integrity Constraints
- ✓ Referential Integrity
- ✓ Check & UNIQUE

#### **Ch 13: Constraints & Keys - II**

- ✓ PRIMARY KEY Constraint
- ✓ FOREIGN KEY Constraints
- ✓ Column Level & Table Level
- ✓ Adding Constraints
- ✓ Self-Referential Integrity
- ✓ Cascading Keys in Realtime
- ✓ Use Case Scenarios

#### **Ch 14: Queries & Joins - I**

- ✓ Joins and Table Comparisons
- ✓ SET Operations with Joins
- ✓ How do Joins work in SQL?
- ✓ Equi Join, Simple Join
- ✓ Inner Join and Query Conditions
- ✓ Cross Join (Cartesian Join)
- ✓ Join syntax and Ansi Syntax
- ✓ Non-Equi Join and Self Join

#### **Ch 15: Queries & Joins - II**

- ✓ Outer Joins – Types
- ✓ Cross Joins – Advantages
- ✓ Merge Joins, Sub Queries
- ✓ Join Aliases and Conditions
- ✓ Inner Self Joins with HAVING
- ✓ JOINS and GROUP BY Queries
- ✓ Inner Join and Self Join
- ✓ Realtime Use Cases

#### **Ch 16: Views**

- ✓ Understanding Views & Use
- ✓ Relational, Standard Views
- ✓ SIMPLE, COMPLEX VIEWS
- ✓ Column Definitions
- ✓ VIEWS for DML Operations
- ✓ Forced, CHECK Constraints
- ✓ READ ONLY VIEWS – Use
- ✓ Indexed Views

#### **Ch 17: Synonyms, Sequences**

- ✓ Sequences, with Synonyms
- ✓ Use of Synonym in Oracle?
- ✓ Views Versus Synonyms
- ✓ Table Synonyms Usage
- ✓ Public and Private Synonyms
- ✓ Synonym Identification Options
- ✓ Realtime Use of Synonyms
- ✓ Synonyms: Limitations

#### **Ch 18 : Sub Queries**

- ✓ Sub Queries in Real-world
- ✓ Conditions with Sub Queries
- ✓ Sub Queries, Nested Queries

- ✓ Nested Sub Query Execution
- ✓ Inner and Outer Queries
- ✓ Sub Queries and HAVING
- ✓ Performance Impact
- ✓ Retrieval of Nth Row

### Ch 19: Realtime Case Study (Ecommerce / Medicare)

## Module 2: PLSQL Programming

### Ch 19: SUB QUERIES - II

- ✓ Delete Duplicate Records
- ✓ Advantages: Sub Queries
- ✓ Subquery, Clause Examples
- ✓ Execution of Correlated Sub
- ✓ IN, ANY SOME, ALL
- ✓ PAIR WISE & NON PAIR
- ✓ Single, Multi Row Subquery
- ✓ Multiple Column Subquery

### Ch 20: PL/SQL – (Control Structures)

- ✓ Simple If, If..Else, Nested If..Else
- ✓ Ladder, Selection, Case Stmt
- ✓ GOTO Label & EXIT Statements
- ✓ Iterations, Simple LOOP, WHILE
- ✓ FOR LOOP and NESTED LOOPS
- ✓ PL/SQL Select statements
- ✓ Composite Data Types
- ✓ Cursor Management in PL/SQL

### Ch 21 : PL/SQL – (CONTROL STRUCTURE) - Level II

- ✓ Implicit & Explicit Cursors
- ✓ Cursor with Parameters
- ✓ Cursors with Sub Queries
- ✓ Reference Cursors
- ✓ Cursor Exit Options
- ✓ FOR Loops with Cursors
- ✓ Realtime Considerations

### Ch 22: OOPS Concepts

- ✓ Object Technology and Use
- ✓ OOPS - Object Instances

- ✓ Creation of Objects
- ✓ User Defined Data Types
- ✓ Object Tables in Oracle
- ✓ Inserting rows using Object
- ✓ Data @ Object Based Tables
- ✓ Methods, Indexing Abstract
- ✓ Data type Attributes

### **Ch 23: ADVANCED PL/SQL - 1**

- ✓ Procedures in PL/SQL
- ✓ PROCEDURES @ Parameters
- ✓ Procedures, Cursors, Queries
- ✓ ALTER and DROP of SPs
- ✓ Functions and Real-time Use
- ✓ User Defined Functions
- ✓ Nested Functions
- ✓ Comparing Functions and SPs
- ✓ Complex Procedures in PLSQL

### **Ch 24: ADVANCED PL/SQL - 2**

- ✓ Triggers and their types?
- ✓ Follows & READONLY Tables
- ✓ Inline Views - Manipulations
- ✓ Purity Levels in Oracle
- ✓ Source Dictionary Packages
- ✓ PACKAGE Specifications
- ✓ PACKAGE Body, Big Data
- ✓ Trigger Types in Realtime
- ✓ Triggers with Procedures

## **Module 3: Realtime Project**

- ✓ Realtime Project in Banking Domain
- ✓ Project Requirement
- ✓ Project Solution
- ✓ Project FAQs
- ✓ Resume
- ✓ Mock Interview

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🔥 We assure you:

- ✓ Step-by-step Classes
- ✓ 100% Interactive
- ✓ Real-Time Projects
- ✓ Resume, Mock Interviews, more .. !

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8. Data Science
9. Python
10. Oracle
11. Snowflake
12. AI, CoPilot
13. AI-ML
14. Gen AI, more..

**Trending Jobs**

- ← Data Analyst
- ← Business Analyst
- ← Data Engineer
- ← SQL Developer
- ← SQL DBA
- ← ETL Admin
- ← Data Scientist

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👉 📺 Training Modes: LIVE Online / Self Paced Videos

Thank you for your time, wish you all the very best!