

PL-SQL Video Training

Complete Practical & Real-time Training Sessions

SQL SchoolTM
Quality Training Assured

ISO Certified Training Institute

Microsoft Certified Partner

Training Highlights

- Complete Practical and Real-time Scenarios
- Session wise Material and Practice Labs
- Session wise Notes & Doubts Clarifications
- Certification Material & Resume Preparation
- Interview Preparation and Guidance
- Technical Support and Placements Assistance
- One Real-time Project and FAQs with Answers
- Mock Interview and Course Completion Certificate

All Trainings Session Are Completely Practical & Real Time

Every session includes Study Material and Practice Material.

SQL Basics & Oracle PL/SQL Developer Training

All Our Training Sessions are COMPLETELY PRACTICAL & REALTIME with Hands-On Lab.

<p>Video 1 : INTRODUCTION TO DBMS</p> <ul style="list-style-type: none">✓ What is Data and Information?✓ Purpose of Data Management✓ File and File System For Data Storage✓ Disadvantages of File Data Management✓ Database : Purpose, Basic Terminology✓ Advantages of Database for Data Storage✓ Possible Operations on the Database✓ Database Models □ Hierarchical Model✓ Network Model and Relational Model✓ History, Real-time Database Examples (LIVE)	<p>Video 2: INTRODUCTION TO RDBMS</p> <ul style="list-style-type: none">✓ Features of RDBMS✓ Advantages of RDBMS✓ E.F Coded Rules for RDBMS✓ Normalization Concepts & Process✓ Client Server Communication✓ Oracle Corporation Products✓ RDBMS from Other Vendors: Microsoft, IBM..✓ Oracle Versions about SQL & SQL*PLUS✓ Database Types: OLTP and OLAP Databases✓ Real-world Advantage of OLTP & OLAP✓ Applicative use of RDBMS Databases
<p>Video 3 : SQL LANGUAGE COMMANDS</p> <ul style="list-style-type: none">✓ Structured Query Language (SQL) Basics✓ Possible Operations with SQL✓ Data Definition Language (DDL)✓ Data Retrieval Language (DRL)✓ Data Manipulation Language (DML)✓ Transaction Control Language (TCL)✓ Database Security and Privileges (DCL)✓ Rules of SQL Queries and Statements✓ Real-world applicative uses of SQL	<p>Video 4 : SQL BASICS</p> <ul style="list-style-type: none">✓ Creating Users and Tables✓ Table Data Inserts and Validations✓ Oracle Data Types✓ DDL Commands with Examples✓ CREATE, ALTER, DELETE Statements✓ Learn the DESCRIBE command to display the table structure✓ DML Command DRL Commands Operators✓ INSERT, UPDATE, DELETE Statements✓ SELECT Statements with Multiplier✓ WHERE Keyword for Query Conditions
<p>Video 5 : SQL SPECIAL OPERATORS</p> <ul style="list-style-type: none">✓ SET, AND, OR, NOT, IN✓ Special Operators □ IN (NOT IN)✓ BETWEEN (NOT BETWEEN),✓ Arithmetic and Logical OperatorsUnderstand Operator Precedence✓ UNION, UNION ALL, INTERSECT, MINUS✓ LIKE (NOT LIKE), IS NULL (IS NOT NULL)✓ Understanding DCL and TCL Commands	<p>Video 6 : GROUPING QUERY RESULTS</p> <ul style="list-style-type: none">✓ Identify Distinct Values in Tables✓ Group Function or Aggregate function✓ Group By Operations in Queries✓ Having Clause of DRL Statements✓ Aggregate Functions with Group By✓ Order By Clause and Group By✓ Query Execution Order with Group By

<ul style="list-style-type: none"> ✓ Transaction Concepts in Databases with SQL ✓ Transaction Types and Uses ✓ Commit and Rollback Operations ✓ Nested Transactions with Save points ✓ Database Read Consistency with SQL ✓ DDL and DML Operations with Transactions 	
<p>Video 7 : BUILT-IN FUNCTIONS in SQL</p> <ul style="list-style-type: none"> ✓ Arithmetic Functions ✓ Character Functions ✓ Date & Time Functions ✓ Character, String Functions ✓ Conversion Functions ✓ General Functions ✓ OLAP Functions ✓ Other Functions <p>Use the TO_CHAR, TO_NUMBER, and TO_DATE conversion functions</p> <ul style="list-style-type: none"> ✓ Nest multiple functions 	<p>Video 8 : CONSTRAINTS & KEYS</p> <ul style="list-style-type: none"> ✓ Importance of Data Integrity ✓ Working with Integrity constraints ✓ NOT NULL Constraint, UNIQUE Constraint ✓ PRIMARY KEY Constraint and Usage ✓ FOREIGN KEY Constraints and Relations ✓ Multiple Constraints on Columns ✓ Adding Constraints to Tables ✓ Enabling - Dropping Constraints ✓ Disabling Constraints on Tables ✓ Querying for Constraints Information ✓ Data Validations using Constraints ✓ Constraints Limitations and Usage
<p>Video 9 : QUERIES & JOINS</p> <ul style="list-style-type: none"> ✓ Need for Joins and Table Comparisons ✓ SET Operations on Tables and Joins ✓ Join Types : Equal Join, Simple Join ✓ Inner Join and Query Conditions ✓ Cross Join (Cartesian Join), Conditions ✓ Non-equal Join and Self Join ✓ Outer Joins □ Types, Advantages and Usage ✓ Cross Joins □ Advantages and Limitations ✓ Self Joins, Merge Joins and Sub Queries ✓ Using Aliases in Joins and Conditions ✓ Using Inner Self Joins with HAVING ✓ JOINS and GROUP BY Queries 	<p>Video 10 : SUB QUERIES, NESTED QUERIES</p> <ul style="list-style-type: none"> ✓ Sub Queries in Real-world ✓ Dynamic Conditions with Sub Queries ✓ Sub Queries and Nested Sub Queries ✓ Inner Select and Outer Select Queries ✓ Usage of Sub Queries with WHERE, HAVING ✓ Impact of Having Clause in Sub Queries ✓ IN, ANY SOME, ALL Operators in Sub Queries ✓ PAIR WISE and NON PAIR WISE in Sub Queries ✓ NULLs and Correlated Sub Queries in SQL ✓ Data Retrieval with EXISTS, NOT EXISTS
<p>Video 11 : VIEWS, SYNONYMS, SEQUENCES</p> <ul style="list-style-type: none"> ✓ VIEWS IN ORACLE, Understanding Views & Use ✓ Relational Views and Standard Views ✓ SIMPLE VIEWS and COMPLEX VIEWS in 	<p>Video 12 : PERFORMANCE (QUERY) TUNING</p> <ul style="list-style-type: none"> ✓ Indexes - Definition and Architecture ✓ B Tree Concept in Indexes ✓ Clustered and Non clustered Indexes

<p>PLSQL</p> <ul style="list-style-type: none"> ✓ Column Definitions in VIEWS ✓ Using VIEWS for DML Operations ✓ Forced Views, CHECK Constraints in Views ✓ Creation of READ ONLY VIEWS - Real-time Use ✓ TOP-N Analysis, (Indexed) Materialized Views ✓ Sequent Working ces, with Synonyms ✓ Creating Index Tables □ Purpose 	<ul style="list-style-type: none"> ✓ Primary Key and Clustered Index ✓ Unique Key and Non Clustered Indexes ✓ Materialized Views - Indexed Views ✓ Partitioning Tables using PL/SQL ✓ Working with Very Large Tables ✓ Range Partitions and Hash Partition ✓ List Partition and Composite Partition ✓ Parallel Query Process with Partitions ✓ Performance Tuning Advantages
<p>Video 13: LOCKS in ORACLE TABLES</p> <ul style="list-style-type: none"> ✓ Open Transactions and Lock Concepts ✓ Lock Types and Locking Mechanism ✓ Row Level Locks for Table Data Access ✓ Table Level Locks and Query Blocking ✓ Shared Lock and Real-time Use ✓ Deadlock : Detection, Prevention, Avoidance ✓ Implicit Locking Concepts in Oracle with PLSQL ✓ LOCK Hints and Query Blocking 	<p>Video 14 : PL/SQL (PROCEDURE LANGUAGE – SQL)</p> <ul style="list-style-type: none"> ✓ Introduction to Programming Languages ✓ Introduction & Advantage of PL/SQL ✓ PL/SQL Architecture, PL/SQL Data types ✓ The %TYPE Attribute and %ROWTYPE Attribute ✓ Variable and Constants, Using Built-in Functions ✓ Conditional and Unconditional Statements
<p>Video 15 : PL/SQL – (CONTROL STRUCTURE)</p> <ul style="list-style-type: none"> ✓ Simple If, If..Else. Nested If..Else Statements ✓ Ladder, Selection, Simple Case Statements ✓ GOTO Label and EXIT Statements in PL/SQL ✓ Iterations in PL/SQL, Simple LOOP, WHILE ✓ FOR LOOP and NESTED LOOPS in PLSQL ✓ SQL within PL/SQL, Composite Data Types ✓ Cursor Variables and Management in PL/SQL ✓ Implicit & Explicit Cursors and Attributes ✓ Cursor with Parameters and Nested LOOPS ✓ Cursors with Sub Queries, Reference Cursors ✓ Record and PL/SQL Table Types. Real-time Use ✓ What are Oracle-Supplied Packages? ✓ Examples of Some of the Oracle-Supplied Packages ✓ How Does the DBMS_OUTPUT Package Work? 	<p>Video 16 : ADVANCED PL/SQL – 1</p> <ul style="list-style-type: none"> ✓ Procedures in PL/SQL: STORED PROCEDURE ✓ PROCEDURES @ Parameters (IN, OUT, IN OUT) ✓ POSITIONAL Notation and NAMED Notation ✓ Procedure with Cursors and Sub Queries ✓ ALTER and DROP of Stored Procedures ✓ Functions in PL/SQL: Real-time Usage ✓ User Defined Functions, Nested Functions ✓ Using Functions in SQL Statements ✓ Working with Procedures and Functions ✓ Comparing Stored Procedures and Functions ✓ Using SPs with Table Value Functions ✓ Using SPs for Dynamic SQL Statements ✓ Loops and Table Variables in SQL Programs ✓ Merge, NVL2(), NULLIF(), COALESCE() ✓ CASE & Temporary /Global Tables
<p>Video 17 : ADVANCED PL/SQL – 2</p> <ul style="list-style-type: none"> ✓ Cross Tab Views using Pivot/Unpivot Operators ✓ Follows Clause and READONLY Tables 	<p>Video 18 : ADVANCED PL/SQL – 3</p> <ul style="list-style-type: none"> ✓ Pragma_Autonomous_Transaction() with SPs ✓ Returning into clause, Bulk Collect ✓ For All, Definer/Invoker Rights & Usage

<ul style="list-style-type: none"> ✓ IN-LINE VIEWS. Manipulations with Triggers ✓ Purity Levels in Oracle - with Examples ✓ User_Source Dictionary Table Packages ✓ Creating PACKAGE Specifications with PLSQL ✓ PACKAGE Body - Examples with Big Data Tables ✓ Private and Public Objects in PACKAGE ✓ Types of Exceptions: User Defined Exceptions ✓ EXCEPTIONS in PL/SQL with Real-time ✓ Event Handling and Error Handling Techniques ✓ Important Error Code Values in PL/SQL <p>RAISE_APPLICATION_ERROR Procedure</p>	<ul style="list-style-type: none"> ✓ About Flash Back Queries, Dynamic SQL ✓ Flash Back Command, Purge Command ✓ Recycle Bin, Regular Expressions in PLSQL ✓ DML Error Logging and Virtual Columns ✓ Types of Triggers, Row Level Triggers ✓ Statement Level Triggers, DML Triggers ✓ DDL Triggers and Schema Level Triggers ✓ Using OLD & NEW References, Trigger Auditing ✓ Enabling / Disabling Triggers, Dropping Triggers ✓ Triggers in PL/SQL and Data Manipulations ✓ Using Memory Tables in Triggers ✓ DML and DDL Events with Triggers ✓ Compound Triggers, New data types ✓ Working with LARGE Tables in PLSQL ✓ New: EXTRACT(), Autonomous Transaction
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Video 19 : IMPLEMENTING OBJECT TECHNOLOGY

- ✓ Object Technology and Applicative Use
- ✓ OOPS-Object Instances, Creation of Objects
- ✓ Creating User Defined Data Types
- ✓ Creating Object Tables in Oracle
- ✓ Inserting rows in Table using Object
- ✓ Retrieving data from Object Based Tables
- ✓ Calling a Method, Indexing Abstract
- ✓ Data type Attributes in PLSQL
- ✓ Advantages of Collections
- ✓ Ref Cursor (Dynamic Cursor), Weak Ref Cursor
- ✓ Strong Ref Cursors and Nested Tables
- ✓ Associative Arrays, VARRAYS/VARYING arrays
- ✓ Creating tables using Nested Tables
- ✓ Inserting, Updating & Deleting
- ✓ Nested, Table Records

Perform a Basic Search using the REGEXP_LIKE function

Find patterns using the REGEXP_INSTR function

Extract Substrings using the REGEXP_SUBSTR function

Replace Patterns Using the REGEXP_REPLACE f

ALL TRAININGS ARE COMPLETELY PRACTICAL & REAL TIME

For Free Demo / Further Clarifications, please reach us.

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