

SequelGate

An ISO Certified Training Institute

A Unit of Sequelgate Innovative Technologies Pvt. Ltd.

www.sequelgate.com

SQL/PL-SQL COURSE

Complete Practical & Real-time Training

Mode: Instructor Led – LIVE, Online Training
Duration: five weeks Weeks, Weekly 6 days
Type: 100% Practical. Theory Material provided in Advance

Training Highlights

- ✓ Complete Practical and Real-time Scenarios
- ✓ Study 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 Case Study and FAQs with Answers
- ✓ Mock Interview and Course Completion Certificate

All Training Sessions are Completely Practical & Real-time.

SequelGate (SequelGate Innovative Technologies Pvt. Ltd) Sai Anu Avenue, Street Number 3, Patrika Nagar, HITEC City, Hyderabad - 81 (India).. **CREDITS:** ISO Certified Learning Center.

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SQL/PL-SQL (Dev) Training

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

Course includes: Study Material, Practice Material, Interview Guidance and a Real-time Project

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| <p>Introduction to DBMS</p> <ul style="list-style-type: none">• Approach to Data Management, File and File System• Disadvantages of file base data management• Database Terminology• Database Models – Hierarchical Model, Network Model, Relational Model <p>Introduction to RDBMS</p> <ul style="list-style-type: none">• Features of RDBMS• Advantages of RDBMS over FMS & DBMS• E.F Codd Rules for RDBMS• Normalization Process• Client server Technology• Oracle Corporation Products• Oracle Versions about SQL & SQL*PLUS• Difference between OLTP & OLAP <p>Sub Language Commands</p> <ul style="list-style-type: none">• Data Definition Language(DDL)• Data Retrieval Language (DRL)• Data Manipulation Language (DML)• Transaction Control Language (TCL)• Database Security and Privileges (DCL) <p>Introduction to SQL</p> <ul style="list-style-type: none">• Schema & Schema Objects• Oracle Data Types• DDL Commands• DML Command DRL Commands Operators• Arithmetic and Logical Operators• Set Operators (UNION, UNION ALL, INTERSECT, | <p>PL/SQL (Procedure Language – SQL)</p> <ul style="list-style-type: none">• introduction to Programming Languages• Introduction PL/SQL, The Advantages of PL/SQL• PL/SQL Architecture, PL/SQL Data types• Variable and Constants, Using Built-in Functions• Conditional and Unconditional Statement• Simple if, if. Else. Nested if. Else, if.. else• Ladder, Selection Case, Simple Case, GOTO Label and EXIT• Iterations in PL/SQL, Simple LOOP, WHILE LOOP,• FOR LOOP and NESTED LOOPS• SQL within PL/SQL, Composite Data types (complete), Cursor Management in PL/SQL• Implicit Cursors, Explicit Cursors, Cursor Attributes• Cursor with Parameters, Cursors with LOOPS Nested Cursors,• Cursors with Sub Queries, Ref. Cursors, Record and PL/SQL Table Types. <p>Advanced PL/SQL</p> <ul style="list-style-type: none">• Procedures in PL/SQL: STORES PROCEDURE, PROCEDURE with Parameters (IN, OUT and IN OUT• POSITIONAL Notation and NAMED Notation,• Procedure with Cursors, Dropping a Procedure• Functions in PL/SQL: Differences between Procedures and Functions,• User Defined Functions, Nested Functions, using stored function in SQL statements• Returning into clause, Bulk Collect,• For All, Definer/Invoker Rights |
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| <p>MINUS)</p> <ul style="list-style-type: none"> • Special Operators – IN (NOT IN), BETWEEN (NOT BETWEEN), • LIKE (NOT LIKE), IS NULL (IS NOT NULL) <p>Built-in Functions</p> <ul style="list-style-type: none"> • Arithmetic Functions • Character Functions • Date functions • Conversion Functions • Aggregate Functions • OLAP Functions & General Functions <p>Grouping the result of a query</p> <ul style="list-style-type: none"> • Using Group by and Having Clause of DRL Statement • Using Order by clause • Working with, Sequences, Working with Synonyms, • Working with Index and Clusters, Creating Cluster Tables, • implementing Locks, Working with roles <p>Working with Integrity Constraints</p> <ul style="list-style-type: none"> • Importance of Data integrity • Working with different types of integrity constraints • NOT NULL constraint, UNIQUE constraint, • PRIMARY KEY constraint, REF constraint • Understanding ON DELETE clause in referential integrity constraint • Working with multiple constraints upon a column • Adding constraints to a table • Dropping of constraints, Enabling / disable constraints • Querying for constraints information <p>Querying Multiple Tables (Joins)</p> <ul style="list-style-type: none"> • equal Join/Inner Join/Simple Join, • Cartesian Join, Non-equal Join, Self-Join | <ul style="list-style-type: none"> • About flash Back Queries, Dynamic SQL, • Flash back command, Purge Command, Recycle bin, Regular expressions, • DML Error Logging, Virtual Columns, Read only tables, • Cross tab Views using, Pivot/Un pivot Operators Follows Clause, • Compound Triggers, New data types • Working with LARGE Objects <p>Database Triggers in PL/SQL</p> <ul style="list-style-type: none"> • Types of Triggers, Row Level Triggers, • Statement Level Triggers, DML Triggers, DDL Triggers, Schema Triggers • Using OLD and NEW References, Trigger Auditing, • Enabling / Disabling Triggers, Dropping Triggers <p>Implementing Object Technology</p> <ul style="list-style-type: none"> • What is Object Technology? • OOPS-Object instances, Creation of objects • Creating user Defined Date Types • Creating Object Tables • Inserting rows in a table using object • Retrieving date from Object based Tables • Calling a Method, Indexing Abstract • Data type Attributes <p>Using Collections</p> <ul style="list-style-type: none"> • Advantages of collection • Ref Cursor (Dynamic Cursor), Weak Ref Cursor, • Strong Ref Cursor, Nested Tables • Associative Arrays, VARRAYS or VARYING arrays • Creating tables using nested tables • Inserting, Updating & Deleting • Nested, Table Records <p>Advanced Features</p> <ul style="list-style-type: none"> • New Date function, Rename column, • Inner Join/Natural Join, |
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| <p>Working with Sub Queries</p> <ul style="list-style-type: none"> • Understanding the practical approach to Sub Queries/Nested Select/Sub Select/Inner Select/Outer Select • Usage of Sub Queries. • The Impact of Having Clause in Sub Queries, • IN, ANY SOME, ALL Operators in Sub Queries • PAIR WISE and NON PAIR WISE Comparison in Sub Queries, Be... • Aware of NULL'S, Correlated Sub Queries, • Handling Date Retrieval with EXISTS and NOT EXISTS Operators <p>Working with DCL, TCL Commands</p> <ul style="list-style-type: none"> • Grant, Revoke, • Commit, Rollback, Save point • Read Consistency <p>Maintaining Database Objects</p> <ul style="list-style-type: none"> • VIEWS IN ORACLE • Understanding the Standards of VIEWS in Oracle • Types of VIEWS: Relational Views, • Practical approach of SIMPLE VIEWS and COMPLEX VIEWS, • Column definitions in VIEWS, Using VIEWS for DML Operations, • forced Views, Putting CHECK Constraint upon VIEWS, Creation of READ ONLY VIEWS, Understanding the IN LINE VIEWS • TOP-N Analysis, About Materialized Views, View Triggers • Outer Joins – Types, Advantages and Usage • Cross Joins – Advantages and Limitations • Self Joins, Merge Joins and Sub Queries • Purity Levels, User _Source Dictionary table Packages in PL/SQL: • Creating PACKAGE Specification • PACKAGE Body, Private and Public Objects in PACKAGE • XCEPTIONS in PL/SQL: Types of Exceptions: User Defined Exceptions | <ul style="list-style-type: none"> • Left Outer Join/Right Outer Join, Full Outer Join • Multiple inserts, Insert All Command, • Merge statement, NVL2(), NULLIF(), COALESCE(), • CASE expression of Select Command, Temporary Tables/Global Tables • New Function EXTRACT (), Autonomous Transaction <p>Oracle Built-in Packages</p> <ul style="list-style-type: none"> • DBMS_OUTPUT Package • DBMS_DDL Package • DBMS_JOB Package • DBMD_SCHEDULER Package • UTL_FILE Package • UTL_MAIL Package <p>Introduction to Oracle Database</p> <ul style="list-style-type: none"> • Introduction to Oracle Database • Architecture • Physical Structures Logical structures • DB Memory Structures <p>Oracle Utilities</p> <ul style="list-style-type: none"> • Oracle Data Pump • SQL * Loader • External Tables <p>Course Highlights:</p> <p>Normal Forms, Joins, Views, Stored Procedures, CTEs, Indexed Views, Execution Plans, Triggers, Linked Servers, Query Blocking, Remote Queries and Sub Queries, Nested Queries, Tuning Recursive Queries, Query Hints, FTS, Architecture and lot more..!</p> |
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| <p>Pseudo Columns in Oracle</p> <ul style="list-style-type: none"> • Understanding Pseudo Columns in Oracle • Type of Pseudo Columns in Oracle • CURRVAL AND NEXTVAL, LEVEL, ROWID, ROWNUM <p>Data Partitions & Parallel Process</p> <ul style="list-style-type: none"> • Range Partitions, Hash Partition • List Partition, Composite Partition, Parallel • Query Process <p>Locks</p> <ul style="list-style-type: none"> • Row level Locks • Table level Locks • Shared Lock • Dead Lock • Implicit Locking | |
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Pre-requisites for this Course:

This is a starter course, no pre-requisites required. We provide free orientation classes for starters! Course includes Study Material, Interview & Certification guidance along with one Real-time Case Study.

About Trainer:

Mr. Suresh is a Oracle DBA and PL-SQL developer working in an MNC company - With more than 9 years of expertise and passion for Oracle DBA, Administration (DBA) and has developer - All his training sessions are completely **practical, real-time** and highly **interactive**.

Joining Procedure:

Participant needs to attend for a free demo. Registrations accepted after attending the demo session. For Free Demo / Further Clarifications, please reach us.

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Why Choose Us?

- ✓ Complete Practical and Real-time Sessions
- ✓ Study Material and Practice Labs
- ✓ Certification Material & Resume Preparation
- ✓ Interview Questions, Preparation and Guidance
- ✓ One Mock Interview per Course
- ✓ Technical Support and Placements Assistance
- ✓ ISO Certified Training Organization

For Course Fee and Free Demo schedules, you may also refer to <http://sequelgate.com/contact-us.html>



We ASSURE you on complete practical, real-time training services.

Thank You!