

All Trainings are completely Real - Time & practical

SequelGate



Regd: SequelGate (I) Technologies Pvt. Ltd

www.sequelgate.com

SQL Server & T-SQL

- **Mode:** Instructor Led – LIVE, Online Training
- **Duration:** 4 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
- ✓ Mock Interview and Course Completion Certificate

All Training Sessions are Completely Practical & Real-time

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

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SQL Server & T-SQL (Development) 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

Module: I	Module: II
Introduction to SQL Server <ul style="list-style-type: none">● Introduction to the SQL Server Platform● SQL Server Advantages and Requirements● SQL Server Database Development Tasks● SQL Server Versions and Editions● SQL Server Installation and Components● Usage of SQL Server Management Studio (SSMS)● SQLCMD Tool and Usage	Designing and Implementing Views <ul style="list-style-type: none">● Introduction to views● Creating and managing views● Performance considerations for views● Views with Sub Queries & Nested Queries
Types Of SQL & TSQL Commands <ul style="list-style-type: none">● Data Definition Language (DDL)● Data Manipulation Language (DML)● Data Query Language (DQL)● Data Control Language (DCL)● Transaction Control Language (TCL)	Stored Procedures <ul style="list-style-type: none">● Introduction to Stored Procedures● Working with Stored Procedures● Implementing Parameterized Stored Procedures● OUTPUT Parameters with Stored Procedures● Procedure Recompilations and Options● Controlling Execution Context● Common Table Expressions (CTE) & Uses● Using CTE for Data Retrieval and Updates● CTE Usage and Performance Considerations
Database Design and Implementing Tables <ul style="list-style-type: none">● Database Design● Designing Tables● Data Types● Working with Schemas● Creating and Altering Tables	User-Defined Functions <ul style="list-style-type: none">● Overview of Functions● Designing and Implementing Scalar Functions● Designing, Implementing Table-Valued Functions● Implementation Considerations for Functions● Alternatives to Functions
Advanced Table Designs <ul style="list-style-type: none">● Table Partitioning Techniques	Data Manipulation via Triggers

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<ul style="list-style-type: none"> ● Compressing Data and Advantages ● Temp Tables and Usage, Performance <p>Integrity through Constraints</p> <ul style="list-style-type: none"> ● Enforcing data Integrity ● Implementing Domain Integrity ● Implementing Entity and Referential Integrity <p>Indexes & Query Tuning Options</p> <ul style="list-style-type: none"> ● Core Indexing Concepts ● Data Types and Indexes ● Single Column and Composite Indexes ● Covering Indexes ● Managing Indexes ● Execution Plans ● Using the DTE ● Introduction to Column-store indexes ● Creating Column-store indexes ● Working Column-store indexes <p>Implementing Joins</p> <ul style="list-style-type: none"> ● Inner Joins - Purpose and Performance ● Outer Joins - Advantages, Usage ● Cross Joins - Advantages, Limitations ● Self Joins, Merge Joins, Sub Queries ● Working with Table Variables, Types ● WHILE Loops and Iteration Controls ● TARGET & NOT MATCH with MERGE ● NOCHECK and SET Options in Joins ● Sub Queries, Nested Queries and Usage ● Using Sub Queries for Data INSERTS ● Query Joins with UPDATE/DELETE 	<ul style="list-style-type: none"> ● Designing DML Triggers ● Implementing DML Triggers ● DDL Triggers and Purpose ● Advanced Trigger Concepts <p>Using In-Memory Tables</p> <ul style="list-style-type: none"> ● In-Memory tables ● Native Stored Procedures <p>Storing and Querying XML Data in SQL Server</p> <ul style="list-style-type: none"> ● Introduction to XML and XML Schemas ● Storing XML Data and Schemas in SQL Server ● Implementing the XML Data Type ● Using the T-SQL FOR XML Statement ● Getting Started with xQuery <p>Working with SQL Server Spatial Data</p> <ul style="list-style-type: none"> ● Introduction to Spatial Data ● Working with SQL Server Spatial Data Types ● Using Spatial Data in Applications <p>Storing and Querying Blobs and Text Documents in SQL Server</p> <ul style="list-style-type: none"> ● Considerations for BLOB Data ● Working with File Stream ● Using Full-Text Search (FTS) Indexes <p>ONE Real-time Case Study</p>
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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:

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

With more than 10 years of expertise and passion for SQL Server Developing and Administration (DBA) - All his training sessions are completely **practical, real-time** and highly **interactive**.

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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
- ✓ 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>



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

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