SQL SERVER & T-SQL

(SQL DEVELOPER Course)

Complete Practical & Real-time Trainings

SQL School™

Quality Training Assured

A Unit of SequelGate Innovative Technologies Pvt. Ltd.

→ 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
- ✓ 24x7 LIVE Server Access with Real-time Databases
- ✓ Interview Preparation and Guidance
- ✓ Technical Support and Placements Assistance
- ✓ One Real-time Project and FAQs with Answers
- ✓ Mock Interview and Course Completion Certificate

All Training Sessions are Completely Practical & Real-time

Every session includes Study Material and Practice Material.

SQL School (SequelGate Innovative Technologies Pvt. Ltd.), #108/2RT, Street No 2, Road No 1,
Landmark :Beside SR Nagar Bus Stop, SR Nagar, Hyderabad - 38, India.
CREDITS: ISO Certified Learning Center. Microsoft Certified Learning Partner. www.sqlschool.com

SQL SERVER, T-SQL (DEVELOPER) LIVE Online Training

SQL Server & T-SQL			
	PLAN A	**PLAN B**	**PLAN C**
Duration	**3 weeks**	**4 weeks**	**5 weeks**
Real-Time Project	✓	✓	✓
Resume Support	✓	✓	✓
Mock Interviews	✓	✓	✓
Performance Tuning	✗	✓	✓
Certification Training	✗	✗	✓
Total Course Fee	**INR 6,000/- USD 100**	**INR 9,000/- USD 150**	**INR 12,000/- USD 200**

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

DAY 1: SQL SERVER (2016 / 2014) INSTALLATION

- ✓ What is Data? What is Database?
- ✓ Why Microsoft SQL Server? Advantages
- ✓ SQL Server - Career Options and Certifications
- ✓ What is SQL? What is T-SQL? Differences
- ✓ Versions and Editions of SQL Server - Overview
- ✓ Session Wise Plan, Material and Real-time Project
- ✓ LAB PLAN - 24x7 LIVE Server (Online Lab)
- ✓ How to install SQL Server - Step by Step Guidelines
- ✓ SQL Server 2016 Software - Server Installation
- ✓ SQL Server 2016 - Tools Installation, Verification
- ✓ SQL Server 2014 / 2012 Software Installation
- ✓ H/W & S/W Requirements. Server Configuration
- ✓ Instance Types : Default and Named Instances
- ✓ Service, Authentication and Instance Collation
- ✓ SQL Server Tools - SQL Server Management Studio
- ✓ Client Connectivity Tests, Browsing Servers (Local/Remote)

DAY 2,3: SQL BASICS - DDL, DML, SELECT

- ✓ Testing Installation and Server Connections
- ✓ Defining Sessions for Queries. Session IDs
- ✓ Basic SQL. Introducing Databases, Tables
- ✓ Why T-SQL? Basic SQL Queries in SSMS
- ✓ DDL and DML - Creating & Using Databases
- ✓ Table Creation - Columns and Data Types
- ✓ Issues with Digital Data into Characters
- ✓ INSERT / Store Data into SQL Server Tables
- ✓ Single Row and Multiple Row Inserts with NULL
- ✓ SELECT Queries and Operators : IN, BETWEEN
- ✓ IS, UNION, UNION ALL, Other SQL Operators
- ✓ UPDATE Statements with / without Conditions
- ✓ DELETE Statements with Conditions. Logging
- ✓ TRUNCATE Statement - DELETE Comparisons
- ✓ SYSTEM DATABASES - Purpose, Importance.
- ✓ CLIENT - SERVER Architecture TDS), Statistics
- ✓ SQL Native Client (SNAC) and OLE-DB Providers

DAY 4: DATABASE & TABLE DESIGN

- ✓ SQL Server Databases - Purpose and Design
- ✓ SQL Database Architecture - Logical and Physical
- ✓ Database Properties - Files - Types - Storage
- ✓ Data Files : Purpose, Sizing. Detailed Architecture
- ✓ Filegroups : Purpose and Grouping Options.
- ✓ Log files : Sizing, Detailed Architecture
- ✓ Pages, Extents (Uniform, Mixed). Data Allocation
- ✓ Write Ahead Log (WAL), Log Sequence Number
- ✓ Virtual Log File (VLF) and MINI LSN. Audits
- ✓ DB Creation using GUI - Adding Files, Filegroups
- ✓ Database Creation using T-SQL Scripts
- ✓ Database with Filegrowth, Autogrowth, MAXSIZE
- ✓ mdf, ndf, ldf and Custom Extensions. VLDBs
- ✓ Adding Filegroups and Files. Size, Modifications
- ✓ Routing Tables to Database File Groups
- ✓ Schemas - Purpose, Creation and Table Usage
- ✓ CHAR versus VARCHAR Differences - Allocations
- ✓ Database Log Files for DML - Logged, NonLogged
- ✓ Default Schema and Default Filegroup for Tables
- ✓ Data Types, Length, NULLs, Naming Conventions
- ✓ SELECT Queries with Schema on Tables, Aliases

DAY 5: CONSTRAINTS and KEYS

- ✓ Constraints and Keys - Table Data Integrity
- ✓ Normal Forms - Types, Relational DB Design
- ✓ OLTP Database Model & BCNF - with PK / UQ
- ✓ NULL, NOT NULL and Default Nullable Columns
- ✓ UNIQUE KEY Constraints: Uniqueness, Nulls
- ✓ PRIMARY KEY Constraint: Priority, Limitations
- ✓ FOREIGN KEY Constraint: References, Relations
- ✓ CASCADED Foreign Keys - UPDATE, DELETE
- ✓ CHECK Constraints: Properties, Conditions
- ✓ CHECK Constraints: Column Checks, Operators
- ✓ DEFAULT Constraints: Properties, Limitations
- ✓ Relations with Tables across Multiple Schemas
- ✓ Identity Property with / without PRIMARY KEY
- ✓ Composite Primary Keys & Recommendations
- ✓ Self Referencing Keys & Usage. Using Unicode
- ✓ Adding Constraints, Keys and Data Types
- ✓ Naming Conventions - Constraints and Columns
- ✓ Normal Forms: Types, Purpose & Usage
- ✓ BCNF: Boycee-Codd Normal Form and Usage

DAY 6: JOINS, SUB QUERIES & NESTED QUERIES

- ✓ JOINS - Purpose and Types, Use Case Scenarios
- ✓ JOIN - Types, Queries and Report Importance
- ✓ CROSS JOIN in detail. Examples and WHERE
- ✓ INNER JOIN in detail. WHERE and ON
- ✓ Comparing INNER JOIN with CROSS JOIN
- ✓ OUTER JOINS in detail. LEFT, RIGHT, FULL Joins
- ✓ SELF JOINS with INNER / OUTER Joins. Usage
- ✓ Working with Self Joins on non key columns
- ✓ JOINS with more than 2 tables. Precedence
- ✓ Query Optimization with Schema References
- ✓ Deciding best Join Type, Order, Query Options
- ✓ JOIN Queries with UNION & UNION ALL
- ✓ Basic Sub Queries and Joins. Alternate Syntax
- ✓ Using ON and WHERE for Join Conditions.
- ✓ Using Sub Queries for Self Joins and Outer Joins
- ✓ Working with Nested and Nested Sub Queries
- ✓ Sub Queries & Nested Sub Queries with Joins
- ✓ **A Real-world Case Study understanding Joins & Queries**

DAY 7, 8: VIEWS, FUNCTIONS, JOINS, QUERIES

- ✓ VIEWS - Benefits For Data Access, Operations
- ✓ Defining Views on Tables - Syntax, Options
- ✓ Views as Stored SELECT Statements, Access
- ✓ SCHEMABINDING and ENCRYPTION Options
- ✓ Cascaded Views and WITH CHECK OPTIONS
- ✓ Orphan Views - Scenarios and Solutions
- ✓ System Views For Metadata Access, Object IDs
- ✓ Functions: Types, Purpose. Return Values
- ✓ Scalar Value Returning Functions - Examples
- ✓ Inline Table Value Functions - Dynamic Joins
- ✓ Multi-Line Table Value Functions - WHILE Loop
- ✓ Table Variables with Functions. Table Data Type
- ✓ Variables and Parameters in SQL Server. Usage
- ✓ Dynamic Queries - Return and Returns
- ✓ Queries with GROUP BY, HAVING, ON & WHERE
- ✓ ROLLUP and CUBE - Sub Totals, Aggregates
- ✓ ROLLUP of Table Data. Column Aggregations
- ✓ CUBE on Table Data - Purpose & Permutations
- ✓ Queries with GROUPING(), Using HAVING
- ✓ HAVING versus WHERE Conditions - Differences
- ✓ Important System Functions and Metadata
- ✓ Date & Time Functions, Date Format, DATEDIFF
- ✓ CASE Statement (with/without Expressions), PIVOT Usage
- ✓ MERGE Statement - MATCHED, NONMATCHED
- ✓ Views for Queries & Sub Queries with Functions

DAY 9: STORED PROCEDURES - LEVEL 1

- ✓ Stored Procedures - Purpose, Syntax, Properties
- ✓ Compilation, Pre-compilation, Query Optimization
- ✓ Variables Data Types in Stored Procedures
- ✓ Parameters Data Types in Stored Procedures
- ✓ Stored Procedure Executions - Syntax
- ✓ Stored Procedures for Data Validations
- ✓ Stored Procedures for Dynamic Queries. Views
- ✓ Stored Procedures for Data Reporting. Advantages
- ✓ Important System Procedures For Metadata Access
- ✓ Important Extended Procedures For Applications
- ✓ IF.. ELSE, IF .. ELSE IF, IIF Conditions. PRINT
- ✓ Error Handling in T-SQL: TRY, CATCH, THROW
- ✓ Dynamic Parameters and Variables. Example Views
- ✓ Default Parameter Values, Data Types and NULLs
- ✓ Batch Executions with Stored Procedures. Variants
- ✓ Unicode Data and Dynamic SQL Queries. sysname Data

DAY 10: STORED PROCEDURES - LEVEL 2

- ✓ Stored Procs for Sub Queries, Dynamic Queries
- ✓ Stored Procedures - Recursive, Nested Queries
- ✓ OUTPUT Parameters in Stored Procedures
- ✓ Common Table Expressions (CTE) & In-Memory
- ✓ Row Number and Rank, Sub Queries, Self Joins
- ✓ Stored Procedures for Parameterized CTE (Sub)
- ✓ CTE for Table Operations - DML & Retrieval
- ✓ CTE for DML and DDL in Stored Procedures
- ✓ Cursors - Syntax. Using SProcs with Cursors
- ✓ FORWARD_ONLY and SCROLL Cursors Types
- ✓ STATIC, DYNAMIC Cursors Types. ABSOLUTE
- ✓ LOCAL and GLOBAL Cursor Types & Scope
- ✓ KEYSET DRIVEN Cursor Types & Performance
- ✓ Embedding Cursors in Procedures
- ✓ SPs with Cursors @ Dynamic Data Loads
- ✓ Memory Limitations @ Cursors, Recompilations
- ✓ More examples for CTEs and Stored Procedures: DAY 14,15,21

Real-time Project Starts.
BANKING / ECOMMERCE / ERP

DAY 11: TRIGGERS & TRANSACTIONS

- ✓ Triggers - Purpose and Types. Scope Of Usage
- ✓ DML Triggers - Events, Types and Practical Usage
- ✓ FOR / AFTER Triggers - Syntax, Usage
- ✓ INSTEAD OF Triggers - Syntax, Usage
- ✓ INSERTED & DELETED Tables with DML Triggers
- ✓ Memory Usage with INSERTED/DELETED Tables
- ✓ Triggers for Disabling DML Operations. Priority
- ✓ Triggers for DML Operation Audits and Sampling
- ✓ Triggers for Data Distribution to Multiple Tables
- ✓ Database Level Triggers and DDL Operations
- ✓ Server Level Triggers and DDL Operations
- ✓ Triggers for Data Distribution and JOINS. Mapping
- ✓ Need for Transactions, Transaction Scenarios
- ✓ ACID Properties, Transactions. Atomic Property
- ✓ EXPLICIT, IMPLICIT Transactions - Query Blocking
- ✓ IMPLICIT Transactions - Usage, Database Settings
- ✓ AUTOCOMMIT Transactions - Advantages, Usage
- ✓ OPEN Transactions and Audits. OPENTRAN
- ✓ Nested Transactions and COMMIT / ROLLBACK

DAY 12: INDEXES and QUERY TUNING OPTIONS

- ✓ Indexes: Architecture (Page Level), Purpose
- ✓ Clustered Indexes Architecture, Fragmentation
- ✓ Non Clustered Indexes Architecture, References
- ✓ SORT_IN_TEMPDB, FILLFACTOR, PAD_INDEX
- ✓ Execution Plans and Query Optimization (QO)
- ✓ Execution Plan - Table Scan, Index Scan / Seek
- ✓ INCLUDED INDEXES - Purpose, Query Tuning
- ✓ COLUMNSTORE Indexes - Advantages, Usage
- ✓ COLUMNSTORE Indexes - Filtered Index
- ✓ COLUMNSTORE Indexes and Online Indexes
- ✓ FILTERED Indexes - Sizing and Limitations
- ✓ ONLINE, OFFLINE, UNIQUE Indexes
- ✓ Materialized Views / Indexed Views - Tuning
- ✓ Working with UNIQUE Indexes on Tables, Views
- ✓ Query Optimizer (QO) Options for Index Pages, Data Pages
- ✓ Limitations of Indexes - Impact on DML, SELECT
- ✓ Primary Key Index, Composite Indexes and Precautions
- ✓ RID and Index Key Concepts. Index Page - Data

- ✓ SavePoint Options with Explicit Transactions,
- ✓ LOCK HINTS : READPAST, NOLOCK, HOLDLOCK
- ✓ **Looking for more CTEs and Recursive CTEs? DAY 21**

Page Arch"

- ✓ Real-world Considerations For Indexes
- ✓ Stored Procedures Recompilations with Indexes

DAY 13: SQL SERVER ARCHITECTURE

- ✓ Client - Server Architecture of SQL Server
- ✓ SQL Server Tools - Connections, TDS Packets
- ✓ Protocols : TCP / IP, Named Pipes, Shared Memory
- ✓ SQL Native Client (SNAC) and OLE DB Drivers
- ✓ ISO - OSI Model of Data Connections, Encryptions
- ✓ Query Processing, Query Optimizer Components
- ✓ SQL Server Architecture For DB Engine, Options
- ✓ Architecture - Query Processor and Storage Engine
- ✓ Architecture - Query Parser, Mini LSN, MDAC
- ✓ Architecture - SQL Engine, SQL Manager, Buffers
- ✓ Architecture - Write Ahead Log (WAL), Lazy Writer
- ✓ Architecture - SQLOS Threads, Task Schedulers,
- ✓ SQL Database Architecture - RAID Levels, CLR
- ✓ Log Sequence Numbers (LSN) and Time Mapping
- ✓ Log File Architecture - Virtual Log Files and Usage
- ✓ Log File Architecture - Mini LSN & Degree Of Parallelism
- ✓ DB Catalogs, CLR Integration and MDAC Components
- ✓ LSN Timestamps and MINILSN. Background Threads @ SQL

DAY 14-15: REAL-TIME PROJECT (BANKING)

End - to - to End Project Implementation

- ✓ Phase 1: Understanding Project Requirement
- ✓ Phase 1: Database Design with FileGroups
- ✓ Phase 1: Table Design with FileGroups, Schemas
- ✓ Phase 1: Defining Constraints, Synonyms
- ✓ Phase 1: Design DB for Optimal Performance

- ✓ Phase 2: Views for Data Inserts, Joined Queries
- ✓ Phase 2: Common Reporting Functions, Access
- ✓ Phase 2: RANK, ROW_NUMBER, DENSE_RANK,
- ✓ Phase 2: PIVOT, Calculations, Sub Queries
- ✓ Phase 2: Implement Indexes and Column Store

- ✓ Phase 3: End-to-End Implementation: Validations
- ✓ Phase 3: Stored Procedures for Dynamic Inserts
- ✓ Phase 3: Updatable Views and Triggers for DM
- ✓ Phase 3: DML Operations with PIVOT,Pagination
- ✓ Phase 3: ADVANCED Stored Procedures
- ✓ Phase 3: DB Documentation Tools, Deployment
- ✓ Reading Log Files and Data Audits
- ✓ Transaction Audits and Offline Query Logs.

1. RESUME PREPERATION

2. INTERVIEW GUIDANCE, INTERVIEW FAQs

3. MOCK INTERVIEW

SQL SERVER PERFPRMANCE TUNING (QUERY TUNING)

PLAN B

DAY 16: QUERY TUNING - CTE, JOIN OPTIONS, STATS

- ✓ Identifying Long Running Queries, Activity Monitor
- ✓ Dynamic Management Objects (DMV, DMF)
- ✓ Query Statistics and Cache Plans / Execution Plans
- ✓ CROSSAPPLY and Operators with Dynamic Objects
- ✓ Avoiding Sub Queries - Avoiding Self Joins
- ✓ Sub Queries & Joins - Performance Baselines
- ✓ Stored Procedures for Parameterized CTE, Queries
- ✓ CTE for Table Data Operations - DML & Retrieval
- ✓ CTE for DML and DDL in Stored Procedures
- ✓ Recursive CTEs & Self Joins with Stored Procedures
- ✓ Precautions for Recursive CTEs - Performance
- ✓ CTE Advantages and Limitations - Precompilations
- ✓ ANCHOR and RECURSIVE Members. Termination
- ✓ HASH JOIN - Examples and Precautions. Usage
- ✓ MERGE JOIN - Examples and Precautions. Usage
- ✓ LOOP JOIN - Examples and Precautions. Usage
- ✓ OUTER APPLY, Hybrid and Multi - Level Joins
- ✓ Indexes on Join Options - MERGE and LOOP Joins

DAY 17: PARTITIONS and STATISTICS

- ✓ Big Data - Performance Considerations
- ✓ Table Partitions and Query Tuning Options
- ✓ Partition Functions and Partition Schemes
- ✓ Partition Ranges, Values and Sort Orders
- ✓ Partitioning Un-partitioned Tables @ Indexes
- ✓ Aligned / Indexed Partitioning and Performance
- ✓ Data Compression - ROW Level, PAGE Level
- ✓ Partition Numbers and Filtered Compression
- ✓ Managing Partitions and Query Tuning Options
- ✓ STATISTICS - Purpose and Types. Query Tuning
- ✓ Column Statistics - Creation and Advantages
- ✓ Index Statistics - Auto Creation with Indexes
- ✓ Manual Update of Statistics GUI, Scripting
- ✓ Role of Statistics in Query Tuning Process
- ✓ STATISTICS with Indexes and Query Conditions
- ✓ Table Statistics and SAMPLE,FULL Scan Options
- ✓ LIVE Query Statistics (SQL Server 2016)

DAY 18: FULL TEXT SEARCH (FTS)

- ✓ LIKE Operator - Limitations. Using Wild-cards
- ✓ Full Text Search (FTS) Configuration Options
- ✓ Full Text Search Service Activation - DB Level
- ✓ Filter Daemon Launcher Service - Settings
- ✓ Database Catalogs (FTC) and Storage Locations
- ✓ Full Text (FT) Indexes for Query Tuning
- ✓ Full Text Index For Searching Queries. Issues
- ✓ Full Population and Incremental Population
- ✓ CONTAINS() and FREETEXT() Functions
- ✓ Token Search, Inflectional Forms, Operators
- ✓ Data Populations and FILESTREAM with FTS
- ✓ Performance Tuning with Full Text Indexes
- ✓ Tuning Bulk Inserts - Recovery Models, Logging
- ✓ CONTAINSTABLE and FREETEXTTABLE with FT
- ✓ Real-world Performance Considerations with FTS
- ✓ Table Statistics & Query Tuning Options

DAY 19: INDEX INTERNALS, DTA TOOL

- ✓ Index Internals and Execution Plans
- ✓ Understanding Execution Plans, Statistics, Cost
- ✓ Index Fragmentation - Issues, Performance
- ✓ SAMPLED & DETAILED Query Scans. FillFactor
- ✓ Index Rebuilds (Online/Offline), Tuning Options
- ✓ Index Reorganization Process and Advantages
- ✓ Page, Row Compressions @ Indexes: Cautions
- ✓ Filtered Indexes, Online Indexes, Indexes Views
- ✓ GAM, SGAM Pages, Metadata Header Info
- ✓ Filtered Indexes and Index Size Limitations
- ✓ Fill Factor, Pad Index and Query Tuning
- ✓ DTA: Usage, Sequential / Parallel Query Tuning
- ✓ DTA Tool with Profiler, Trace Tables, Cache
- ✓ SQL Profiler Tuning and Tuning Templates
- ✓ Database Tuning Advisor (DTA) - Usage
- ✓ DTA Tool for Procedure Cache, Recent Queries
- ✓ DTA Tool for Multi-Database Connections
- ✓ Understanding PDS Options with Indexes

DAY 20: MEMORY MONITORING, LIVE EXECUTION PLANS

- ✓ Memory Optimized Tables, Optimized Filegroups
- ✓ Memory Snapshot Settings and Real-world Usage
- ✓ Temporal Tables and SYSTEM_VERSIONING
- ✓ Temporal Tables For DML Audits, Performance
- ✓ In-Memory Tables Creation and Index Options
- ✓ Working with Extended Events & Performance
- ✓ LIVE Query Statistics - Monitoring Options, Metrics

DAY 21 : PERFMON COUNTERS, MEMORY @ TUNING

- ✓ PERFMON Counters and MSDTC Service
- ✓ Memory Pages & IO Resources : Performance
- ✓ MEMORY LEAKS & PAGE WAITS: Performance
- ✓ LATCH WAITS and Query Performance Impact
- ✓ CPU, Thread Management and Windows Fibres
- ✓ Working with Machine Code @ SQL Server 2016
- ✓ Resource Governor - Resource Pools - Tuning

- ✓ LIVE Query Statistics - Tracing, and Base lining
- ✓ Collecting and Analyzing Data - Extended Events
- ✓ Optimize the file configuration of your databases
- ✓ Use DMVs and gather DB Performance Metrics
- ✓ Memory Tables Vs Temp Tables/Table Variables
- ✓ LIVE Execution Statistics, Hash Plans, Performance
- ✓ Natively Compiled Stored Procedures, Performance
- ✓ Creating System Versioned Temporal Tables
- ✓ Querying and Modifications to Temporal Tables
- ✓ Bulk Inserts, OPENROWSET with Temporal Tables
- ✓ Resource Workload Groups - Creation, Settings
- ✓ LOW, HIGH, MEDIUM Priority Query Resources
- ✓ Classifier Functions, Cost Based Optimization
- ✓ Query Priority, CPU / Memory / IO Limits
- ✓ Windows Fibres, Priority Boost, DOP Options
- ✓ Processor Settings and Counters. Thresholds
- ✓ Cached Plans, Memory for Stored Procedures
- ✓ Tuning Bulk Inserts - Recovery Models & Logging
- ✓ Performance Tuning - Checklist Activities

MCSA CERTIFICATION TRAINING

Plan C

SQL SERVER DATABASE DEVELOPMENT [70-761] & QUERYING [70-762]

DAY 22: Understanding Sets; Understanding Predicate Logic; Executing Queries that Filter Data using Predicates; Executing Queries That Sort Data Using ORDER BY; Filtering Data with Predicates; Filtering Data with TOP and OFFSET-FETCH; Working with Unknown Values; Self-Contained Sub Queries SET XACT_ABORT; GROUPING SETS CUBE and ROLLUP Sub Clauses; Controlling Execution Context; JSON Files - Usage. Import Options; JSON Files - Importance, JSON File Export to Azure

DAY 23: Storing and Querying XML Data in SQL Server; Storing XML Data and Schemas in SQL Server; Implementing XML Data Type Using the Transact-SQL; FOR XML Statement; Working with XQuery; Shredding XML; Determining when to use XML; Testing XML Data Storage in Variables Using XML Schemas; Using FOR XML Queries; Creating a Stored Procedure to Return XML; Table Value Parameters (TVP) - Purpose, Types and Syntax; User Defined Table Data Types and TVP Usage in SProcs; Natively Compiled Stored Procedures

DAY 24: Implementing Managed Code in SQL Server; Introduction to CLR Integration in SQL Server; Implementing and Publishing CLR Assemblies; Implementing Managed Code in SQL Server; Assessing Proposed CLR Code; Creating a Scalar-Valued CLR Function; Creating a Table Valued CLR Function; Importance of CLR integration in SQL Server; Implement and publish CLR assemblies using SQL Server Data Tools (SSDT); SQL Server Concurrency; SQL Server Concurrency; Implement Snapshot Isolation; Implement Partition Level Locking; Alternatives to Functions

DAY 25: Introduction to Spatial Data; Storing and Querying Spatial Data in SQL Server; Working with SQL Server Spatial Data Types; Using Spatial Data in Applications; Geometry Data Type; Add Spatial Data to an Existing Table; Find Nearby Locations; Spatial data can be stored in SQL Server; Use basic methods of the GEOMETRY and GEOGRAPHY data types

DAY 26:

- ✓ Certification Pattern Examples **(70-761): Querying Data with Transact-SQL** - Mock Certification. Certification Dump & Material.
- ✓ Certification Pattern Examples **(70-762): Developing SQL Databases** - Mock Certification. Certification Dump & Material.

ALL TRAINING SESSIONS ARE COMPLETELY PRACTICAL, REAL-TIME.

Pre-requisites for this SQL Server T-SQL Course:

This is a starter course, **no pre-requisites** required. Course includes free orientation classes for starters.

About Trainer:

Mr. Sai Phanindra Tholeti is a Database Consultant working for his own company - *SequelGate Innovative Technologies Pvt. Ltd*. With more than 11 years of expertise and passion for SQL Server, Administration (SQL DBA) and Business Intelligence (MSBI) - Mr. Sai provides Data Hosting, Business Consulting to Corporate Clients. All his training sessions are completely **practical**, **real-time** and highly **interactive**. Complete profile at http://www.linkedin.com/in/saiphanindra

For Free Demo / Further Clarifications, please reach us.

INDIA: Country Code - 0091 0 9666440801 (Mobile) / 040 64577244 (Office)
USA: Country Code - 001 (510) 400-4845 (Office)

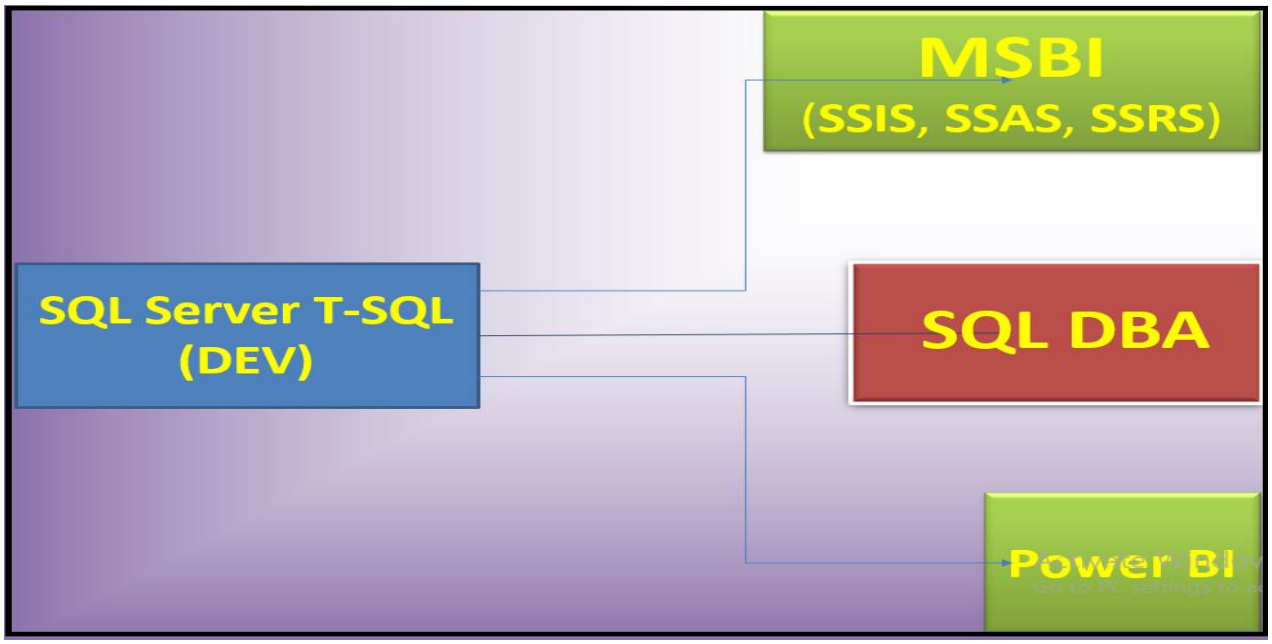
Mail: contact@sqlschool.com
Skype: SQL School Training Institute

SQL School Training Institute

An ISO 9001:2008 Certified Organization for Training & Microsoft Partner

Regd: **SequelGate Innovative Technologies Pvt. Ltd.**

Courses from SQL School Training Institute:



SQL School™

Quality Training Assured

★ ISO Certified Training Institute ★ Microsoft Certified Partner

ALL OUR TRAININGS SESSIONS ARE COMPLETELY PRACTICAL & REALTIME