SQL SCHOOL
Premium Quality Training

Complete Practical, Real-time Job Oriented Training

MSBI Training

Thank you for contacting our SQL School Training Institute. We assure you of 100%   Practical, step-by-step Training on the MSBI Training Course.

MSBI Training Options (Plans)

MSBI Training:
- **Module 1: MSSQL & TSQL**
  3 Weeks; 3 Realtime Case Study

- **Module 2: MSBI**
  4 Weeks; 1 Realtime Project

- **Module 3: AI, CoPilot & Power BI**
  3 Weeks; 1 Realtime Case Study

🚀 **Trainer:** linkedin.com/in/saiphanindra/

This course is very helpful for:
1. Starters
2. Data Engineers
3. Data Analysts
4. Developers
5. Data Scientist
6. BI Professionals

	Inclusions	Duration	Useful For
Plan A	**Module 1: MSBI**	**6 Weeks**	**Starters**
Plan B	**Module 1: MSSQL, TSQL Queries** **Module 2: MSBI**	**9 Weeks**	**Starters**
Plan C	**Module 1: MSSQL, TSQL Queries** **Module 2: MSBI** **Module 3: Azure AI, CoPilot with Power BI**	**13 Weeks**	**Starters, Experienced**

SQL School
Quality Training Assured!

MS SQL & TSQL
100% Real-Time, Job Oriented Trainings

✓ Database, SQL Concepts
✓ SQL Server TSQL Queries
✓ RDBMS, Constraints, Keys
✓ Joins & Group By Queries
✓ Window Functions, Excel
✓ Stored Procedures (SPs)
✓ Views, Triggers, Functions
✓ Cursors & CTEs, Queries
✓ Server, DB Architectue
✓ Merge, Query Tuning
✓ Excel & Data Analytics

🔴 Step by Step
🔴 LIVE Project
🔴 Resume, FAQs
🔴 LIVE Class Videos

New batch every week !

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🔥 🔥 Detailed Course Content 🔥 🔥

Module 1: SQL Server TSQL (MSSQL)

Ch 1: Introduction	Ch 2: Installations	Ch 3: SQL Basics - 1
✓ **Database Introduction**	✓ **SQL Server 2019, 2017**	✓ **Need for Databases, Tables**
✓ **Types of Databases**	✓ **SSMS Tools Installation**	✓ **Need for SQL Commands**
✓ **Need for & ETL, DWH**	✓ **Database Engine (OLTP)**	✓ **DDL, DML & DQL Statements**
✓ **BI Implementations**	✓ **SCM, Configuration Tools**	✓ **Database Creation @ GUI**
✓ **SQL Server Advantages**	✓ **Instance Types, Uses**	✓ **Data Operations @ GUI**
✓ **Version, Editions of MSSQL**	✓ **Authentication Modes**	✓ **Session ID, SQL Context**
✓ **Data Engineering Job Roles**	✓ **Collation, File Stream**	✓ **DB, Tables, Data @ SQL**
Ch 4: SQL Basics - 2	**Ch 5: Data Imports, Schemas**	**Ch 6: Constraints, Index Basics**
✓ **DDL Variants in MSSQL**	✓ **Data Imports with Excel**	✓ **Need for Constraints, Keys**
✓ **DML Variants in MSSQL**	✓ **ORDER BY & UNION**	✓ **NULL, NOT NULL, UNIQUE**
✓ **INSERT & INSERT INTO**	✓ **UNION ALL For Sorting Data**	✓ **Primary Key & Foreign Key**
✓ **SELECT & SELECT INTO**	✓ **Creating, Using Schemas**	✓ **RDBMS and ER Models**
✓ **Basic Operators in SQL**	✓ **Real-world Banking Database**	✓ **Identity Property, Default**
✓ **Special Operators in MSSQL**	✓ **Table Migrations @ Schemas**	✓ **Clustered Index, Primary Key**
✓ **ALTER, ADD, TRUNCATE, DROP**	✓ **2 Part, 3 Part & 4 Part Naming**	✓ **Non Clustered Index, Unique**
Ch 7: Joins & Views Basics	**Ch 8: Functions(UDF), Data Types**	**Ch 9: Stored Procedures,Models**
✓ **JOINS: Purpose. Inner Joins**	✓ **Using Functions in MSSQL**	✓ **Stored Procedures & Usage**
✓ **Left / Right / Full Outer Joins**	✓ **Scalar Value Functions**	✓ **Creating, Testing Procedures**
✓ **Cross Joins, Query Tuning**	✓ **Inline & Multiline Functions**	✓ **Encryption, Deferred Names**
✓ **Creating & Using Views**	✓ **Date & Time Functions**	✓ **SPs for Validations, Analysis**
✓ **DML, SELECT with Views**	✓ **String, Aggregate Functions**	✓ **System SPs, Recompilation**
✓ **RLS : WITH CHECK OPTION**	✓ **Data Types : Integer, Char, Bit**	✓ **Normal Forms & Types**
✓ **System Views & Metadata**	✓ **SQL Variant, Timestamp, Date**	✓ **Data Models, Self-References**

Ch 10: Triggers, Temp Tables	Ch 11: DB Architecture, Locks	Ch 12: Cursors & CTEs, Links
✓ Need for Triggers	✓ Planning VLDBs: Files, Sizing	✓ Cursors: Real-time Use
✓ DDL & DML Triggers	✓ Filegroups, Extents & Types	✓ Fetch & Access Cursor Rows
✓ Using Memory Tables	✓ Log Files : VLF, Mini LSN	✓ CTEs for SELECT, DML
✓ Data Replication, Automation	✓ Table Location, Performance	✓ CTEs: Scenarios & Tuning
✓ Local & Global Temp Tables	✓ Schemas, Transfer, Synonyms	✓ Linked Servers, Remote Joins
✓ Testing & Using Temp Tables	✓ Transaction Types, Lock Hint	✓ Linked Servers: MSDTC, RPC
✓ SELECT .. INTO & Bulk Loads	✓ Query Blocking Scenarios	✓ Tuning Remote Queries
Ch 13: Merge, Upsert & Rank	**Ch 14: Grouping & Cube**	**Ch 15: Self Joins, Excel Analysis**
✓ Need for Merge in ETL	✓ Group By & HAVING	✓ Self Joins & Self References
✓ Incremental Loads with SQL	✓ Cube, Rollup & Grouping	✓ UNION, UNION ALL
✓ MERGE and RANK Functions	✓ Joins with Group By	✓ Sub Queries with Joins
✓ Window Functions, Partition	✓ 3 Table, 4 Table Joins	✓ IIF, CASE, EXISTS Statements
✓ Identify, Remove Duplicates	✓ Query Execution Order	✓ Excel Analytics, Pivot Reports

Realtime Case Study: Health Care Domain

Module 2: MSBI (SSIS)
Applicable for Plans A, B, and C

Ch 1: MSBI Introduction	Ch 2: SSIS Basic Packages	Ch 3: Merge & Fuzzy Lookup
✓ ETL & DWH basics	✓ Control & data flow	✓ Merge & union all
✓ SSIS need & use	✓ DAT file import	✓ Sort vs NoSort
✓ SSDT installation guide	✓ Package execution steps	✓ Data cleansing logic
✓ MSBI tool overview	✓ Debug techniques	✓ Fuzzy lookup & splits
✓ Catalog configuration	✓ ETL tool concept	✓ Thresholds & redirects
Ch 4: Checkpoints, Pivot	**Ch 5: Events, Loops, Expressions**	**Ch 6: DWH Data Loads**
✓ Checkpoint files, rollback	✓ Event handlers, audits	✓ OLTP data reads
✓ Pivot, denormalization logic	✓ SSIS variables, params	✓ ETL and SCD types
✓ Transactions in SSIS	✓ Expressions in control flow	✓ Delta & historical loads
✓ Breakpoint vs checkpoint	✓ Logging and debugging	✓ Parent-child packaging
✓ Data flow mapping	✓ Looping techniques	✓ Load types in DWH

Ch 7: Checksum & DWH Design	**Ch 8: CDC Transformations**	**Ch 9: Fact Table Design**
✓ Checksum transformations ✓ Lookup with redirection ✓ Dynamic updates, mapping ✓ DWH table checksum ✓ Transaction settings	✓ Change Data Capture ✓ ADO.NET CDC links ✓ Initial/incremental loads ✓ CDC state management ✓ Audits & logging	✓ Fact & time tables ✓ Star/snowflake schemas ✓ SCD wizard for facts ✓ Parent-child ETL flow ✓ Inferred dimension logic
Ch 9: Fact Table Design	**Ch 11: SSIS Deployments**	**Ch 12: SSIS Project**
✓ Fact & time tables ✓ Star/snowflake schemas ✓ SCD wizard for facts ✓ Parent-child ETL flow ✓ Inferred dimension logic	✓ ISPAC builds & scripts ✓ Catalog projects & folders ✓ 32/64-bit validations ✓ Execution logs, reports ✓ Parameter management	✓ Star/snowflake ETL design ✓ E-commerce project domain ✓ Business keys & facts ✓ Containers for loads ✓ Look up with integrity

Module 2: MSBI (SSAS)
Applicable for Plans A, B, and C

Ch 1: Tabular Mode Intro	**Ch 2: Cube Design**	**Ch 3: Cube Objects**
✓ OLTP vs OLAP ✓ OLAP cubes need ✓ SSAS modes overview ✓ DWH vs OLAP	✓ Visual Studio tabular ✓ Cube, measure groups ✓ Dimensions and members ✓ In-memory workspace	✓ OLAP grid view ✓ Hierarchies in cubes ✓ Column operations ✓ Perspectives overview

Ch 4: Data Models	Ch 5: Deployment & MDX	Ch 6: DAX – Level 1
✓ STAR schema design ✓ Fact vs dimension ✓ Snowflake model use ✓ Schema comparisons	✓ Cube deployment phases ✓ Processing modes ✓ Direct query use ✓ Build/rebuild options	✓ DAX for cubes ✓ Entities, syntax basics ✓ Calculated columns ✓ Query structure
Ch 7: DAX – Level 2	Ch 8: DAX – Level 3	Ch 9: DAX – Level 4
✓ Filters, calculate ✓ Table functions ✓ LOOKUP, UNION ✓ Calculation groups	✓ Logical functions ✓ Text handling ✓ User functions ✓ Row, search tools	✓ COUNTX vs COUNTA ✓ SUM vs SUMX ✓ Parent-child paths ✓ Aggregation logic
Ch 10: DAX – Level 5	Ch 11: DAX – Level 6	Ch 12: Power BI Link
✓ Time intelligence ✓ YTD, MTD logic ✓ Period functions ✓ Opening/closing metrics	✓ Calendar functions ✓ Date/time usage ✓ KPI with DAX ✓ Join calculations	✓ Connect OLAP cubes ✓ Storage modes, import ✓ Calendar, top products ✓ DAX in Power BI

Module 2: MSBI (SSRS)
Applicable for Plans A, B, and C

Ch 1: SSRS Intro	Ch 2: Basic Reports	Ch 3: Grouping & Params
✓ Report types ✓ Engine architecture ✓ Server install steps ✓ Report databases	✓ Report wizard usage ✓ SQL data tools ✓ Data sources setup ✓ Table/matrix reports	✓ Row/column groups ✓ Group headers/footers ✓ Drill-down visibility ✓ Toggle options
Ch 4: Charts & Filters	Ch 5: Expressions & Datasets	Ch 6: Report Builder
✓ Chart types, properties ✓ Category groups ✓ Clustered attributes	✓ Shared datasets ✓ Format and convert ✓ LOOKUP & joins	✓ Builder vs Designer ✓ Dataset filters ✓ Toolbox features

Ch 7: Map Reports	Ch 8: Report Management	Ch 9: Mobile, KPI Reports
✓ ESRI maps ✓ Map layers/items ✓ Geo dashboards ✓ Bubble maps	✓ Subscriptions ✓ Web portal access ✓ Security settings Shared dataset usage	✓ Mobile layouts ✓ Excel integration ✓ KPI metrics ✓ Dataset reusability
Ch 10: SSRS Project Work	**Ch 11: End-to-End Project**	**Ch 12: Power BI Link**
✓ RDL expressions ✓ Line/trend reports ✓ Multi-series visuals ✓ Filters with datasets	✓ Azure deployment ✓ Tuning & caching ✓ OLAP integration ✓ Security roles	✓ Connect OLAP cubes ✓ Storage modes, import ✓ Calendar, top products ✓ DAX in Power BI

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🔥 **For more details, free demo**: Reach us on Call/WhatsApp @ +91 9666 64 0801 / +91 9666 44 0801

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