



Thank you for contacting our **SQL School** Training Institute. We assure you 100% Practical, Step by Step Trainings on **Snowflake Full Stack** Course.

Whom we are?

Over 19 Years of strong commitment in training excellence, we assure you 100% practical, step by step learning process paired with Assignments, Use Case Scenarios and Realtime Project Implementations for your Resume and Job Work. We are sure, you will have a wonderful journey with us.

Details of our Snowflake Training

1. What is Snowflake?

Snowflake is an Open-Source Cloud Warehouse Technology.

Snowflake is used to store Huge Volumes of Data (Big Data), Aggregated and also Historical Data. Very Robust and use Friendly environment paired with Enterprise Level Security.

2. What are the Job Roles for Snowflake Engineers?

Snowflake Data Engineers are responsible for:

1. Data Extraction (E), Transformations (T)
2. Big Data Loads (L)
3. Data Warehouse (DWH) Design
4. Data Analytics
5. LIVE Streaming Data
6. Cloud Computing
7. Big Data Security and more .. !

3. Who can join this course?

1. Analysts
2. Developers
3. Administrators
4. IT Professionals
5. Students
6. Anyone who wanted to step into in Cloud ETL!



4. What is included in this complete, practical step by step course?

DWH BASICS	DWH ARCHITECTURE	CLOUD BASICS	SNOWFLAKE CONCEPTS	SNOWFLAKE ARCHITECTURE	VWH ARCHITECTURE
MPP ARCH	SNOWFLAKE OPERATIONS	CLASSIC UI	SNOWSIGHT	EDITIONS, PRICING	DWH CREATION
DATABASES	SCHEMA CONCEPT	TABLES, DATA LOADS	CTAS, SCHEMAS, CONTEXT	CONSTRAINTS, KEYS	VIEWS, DATA TYPES
TRANSIENT TABLES	TEMPORARY TABLES	DATA RECOVERY	UNDROP, OFFSET, QID	SNOWFLAKE CLONING	ZERO COPY CLONE
PROCEDURES, UDF	sqlText(), statement()	CURSORS DATA	TRANSACTIONS	EXPLICIT, AUTO COMMIT	BATCH PROCESSING
SECURITY MANAGEMENT	SYSTEM ROLES	USERS, PREVELIGES	RBAC	DAC	OBJECT SECURITY
DATA STREAMS	CDC	SCHEDULED TASKS	DML, DDL, TCL AUDITS	DATA RECOVERY	TIME TRAVEL
TASKS	DAG	CRON CONCEPTS	PARTITIONS	TABLE PARTITIONS	INDEXES, TUNING
SNOWSQL	TOOL CONFIGURATION	SNOW CLOUD AUTH"	VARIABLES	OPERATORS, AUDITS	DATA IMPORTS
STAGES	INTERNAL STAGES	EXTERNAL STAGES	AZURE CLOUD	BLOB DATA STAGES	COPY INTO
SNOWPIPES	INTEGRATIONS	AZURE AD AUTH"	FILE FORMATS	INCREMENTAL LOADS	REAL-TIME PROJECT

5. What about Placement Assistance?

We train you with step-by-step activities, concept wise FAQs and Answers. Resume Guidance and Placement Assistance part of this Snowflake Training Program!

6. What are the Snowflake Training Modules?

- Module 1: MSSQL & TSQL Queries
- Module 2: Snowflake with DBT

Module 1: SQL Server TSQL (MS SQL) Queries

Helpful for Data Analysts, Data Engineers, Data Scientists, BI Developers

Ch 1: Database Intro & Job Roles ✓ Database Introduction ✓ Database Types: OLTP, DWH ✓ DBMS & Realtime Use ✓ DBMS Software & Purpose ✓ SQL: Purpose & Use ✓ SQL Server Versions, Editions ✓ Microsoft SQL Job Roles	Ch 2: SQL Server Installations ✓ SQL Server 2022 Installations ✓ SQL Server 2019 Installations ✓ SSMS Tool Installation ✓ Server Connections, Properties ✓ Instance & Instance Types ✓ Authentication Types ✓ System Databases & Purpose	Ch 3: SQL Basics V1 (Commands) ✓ Database, Tables & Columns ✓ SQL Basics: Purpose ✓ DDL Statements ✓ DML Statements ✓ DQL Statements ✓ Verifications @ GUI ✓ Basic SELECT Queries
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Ch 4: SQL Basics V2 (Operators) ✓ DDL Variants in MSSQL ✓ DML Variants in MSSQL ✓ INSERT & INSERT INTO ✓ SELECT & SELECT INTO ✓ Basic Operators in SQL ✓ Special Operators in MSSQL ✓ ALTER, TRUNCATE, DROP	Ch 5: Excel Data Imports ✓ Data Imports with Excel ✓ SQL Native Client ✓ Order By: Asc, Desc ✓ Order By with WHERE ✓ TOP & OFFSET ✓ UNION ALL ✓ UNION, Data Appends	Ch 6: Schemas & Security ✓ Schemas: Creation, Usage ✓ Schemas & Table Grouping ✓ Using Default Schema ✓ Real-world Banking Database ✓ Table Migrations @ Schemas ✓ 2 Part, 3 Part & 4 Part Naming ✓ Verifying Schemas in UI
Ch 7: Constraints & Keys Basics ✓ Need for Constraints, Keys ✓ Null, Not Null Constraints ✓ Unique Key Constraint ✓ Primary Key Constraint ✓ Foreign Key & References ✓ Default Constraint & Usage ✓ DB Diagrams & ER Models	Ch 8: Indexes Basics, Tuning ✓ Indexes & Tuning ✓ Clustered Index, Primary Key ✓ Non Clustered Index & Unique ✓ Creating Indexes Manually ✓ Verifying Indexes ✓ Composite Keys, Query Optimizer ✓ Composite Indexes & Usage	Ch 9: Joins & Audits ✓ Joins: Table Comparisons ✓ Inner Joins & Matching Data ✓ Outer Joins: LEFT, RIGHT ✓ Full Outer Joins & Audits ✓ Cross Join & Table Combination ✓ Joining more than 2 tables ✓ Joining Tables with Aliases
Ch 10: Views & RLS ✓ Views: Realtime Usage ✓ Storing SELECT in Views ✓ DML, SELECT with Views ✓ RLS: Row Level Security ✓ WITH CHECK OPTION ✓ Database Audits & Metadata ✓ Important System Views	Ch 11: Stored Procedures ✓ Stored Procedures: Realtime Use ✓ Parameters Concept with SPs ✓ Procedures with SELECT ✓ System Stored Procedures ✓ Metadata Access with SPs ✓ SP Recompilations ✓ Stored Procedures, Tuning	Ch 12: User Defined Functions ✓ Using Functions in MSSQL ✓ Scalar Value Functions ✓ Inline & Multiline Functions ✓ Parameterized Queries ✓ Date & Time Functions ✓ String Functions & Queries ✓ Aggregated Functions & Usage
Ch 13: Triggers & Automations ✓ Need for Triggers ✓ DDL & DML Triggers ✓ For / After Triggers ✓ Instead Of Triggers ✓ Memory Tables with Triggers ✓ Data Replication, Automation ✓ Disabling DMLs & Triggers	Ch 14: Transactions & ACID ✓ Transaction Concepts in OLTP ✓ Transaction Types in Realtime ✓ Auto Commit, Explicit Transaction ✓ COMMIT, ROLLBACK ✓ Checkpoint & Logging ✓ Lock Hints & Query Blocking ✓ READPAST, LOCKHINT	Ch 15: Cursors & Fetch ✓ Cursors: Realtime Usage ✓ Cursor Declaration Types ✓ Open Cursor, Close Cursor ✓ Local & Global Cursors ✓ Scroll & Forward Only Cursors ✓ Static & Dynamic Cursors ✓ Fetch, Absolute Cursors
Ch 16: CTEs & Tuning ✓ Common Table Expression ✓ Creating and Using CTEs ✓ CTEs, In-Memory Processing ✓ Using CTEs for DML Operations ✓ Using CTEs for Data Retrieval ✓ Using CTEs for Tuning ✓ CTEs: Duplicate Row Deletion	Ch 17: Relations, Normal Forms ✓ Adding PK to Tables ✓ Adding FK to Tables ✓ Cascading Keys ✓ Self Referencing Keys ✓ Database Diagrams ✓ Normal Forms: 1 NF, 2 NF ✓ 3 NF, BCNF and 4 NF	Ch 18: Self Joins, EXISTS ✓ Joining same table ✓ Correlated Queries ✓ Joining Tables, Queries ✓ Self Joins with WHERE ✓ Self Joins with UNION ✓ Self Joins with Order By ✓ Self Joins with Views

Ch 19: Remote Joins ✓ Working with Multiple Servers ✓ Multi Server Access from SSMS ✓ Linked Servers Creation, Tests ✓ 4 Part Naming Convention ✓ Remote Data Access ✓ RPC & RPC OUT Remote Joins & Data Analysis	Ch 20: Sub Queries ✓ Sub Queries Concept ✓ Sub Queries & Aggregations ✓ Joins with Sub Queries ✓ Sub Queries with Aliases ✓ Sub Queries with OrderBy ✓ Sub Queries with WHERE ✓ Sub Queries, Joins, Where	Ch21: Group By Queries ✓ Group By, Distinct Keywords ✓ GROUP BY, HAVING ✓ Cube() and Rollup() ✓ Sub Totals & Grand Totals ✓ Grouping() & Usage ✓ Group By with UNION ✓ Group By with UNION ALL
Ch 22: Joins with Group By ✓ Joins with Group By ✓ 3 Table, 4 Table Joins ✓ Join Queries with Aliases ✓ Join Queries & WHERE ✓ Join Queries & Group By ✓ Joins with Sub Queries ✓ Query Execution Order	Ch 23: Data Types & Conversions ✓ Integer Data Types ✓ Character, MAX Data Types ✓ Decimal & Money Data Types ✓ Boolean & Binary Data Types ✓ Date and Time Data Types ✓ Table, SQL_Variant Types ✓ Cast() and Convert() Functions	Ch 24: Window Functions, CASE ✓ IIF Function and Usage ✓ IIF with Tables, Joins ✓ CASE Statement Usage ✓ Window Functions (Rank) ✓ Row_Number() ✓ Rank(), DenseRank() ✓ Partition By & Order By
Mini Project (Can be used in Resume)		

Module 2: Snowflake

Ch 1: Introduction to Snowflake ✓ Database, DWH Introduction ✓ OLTP, OLAP and DWH ✓ Data Warehouse Advantages ✓ Cloud DWH Implementations ✓ IaaS, PaaS & SaaS Concepts ✓ Snowflake Cloud Intro ✓ Snowflake: SaaS Platform ✓ Snowflake Advantages	Ch 2: Snowflake Concepts ✓ Snowflake Account (Cloud) ✓ Snowflake Components ✓ Snowflake Editions, Credits ✓ Web UI & Snow Sight ✓ Snowflake Editions ✓ Snowflake Storage ✓ Virtual Private Edition (VPS) ✓ Snowflake Pricing	Ch 3: Architecture, Warehouse ✓ Compute Architecture ✓ Shared Disk Architecture ✓ Nodes and Clusters ✓ CPU & Memory in Clusters ✓ Database Query & Data Cycle ✓ ColumnStore, Virtual Warehouse ✓ Classic UI with Snowflake ✓ Massively Parallel Processing
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Ch 4: Snowflake DB & Tables ✓ DB Objects and Hierarchy ✓ Worksheet Parameters ✓ DB Creation with Snowflake ✓ Snowflake Tables and Usage ✓ Retention Time, Connections ✓ Permanent, Transient Types ✓ CREATE TABLE AS SELECT ✓ ALTER, DROP & UNDROP	Ch 5: Time Travel, Recovery ✓ Time Travel in Snowflake ✓ Continuous Data Protection ✓ Invoking Time Travel Feature ✓ Timestamp, Offset, Query ID ✓ Data Recovery, TIMESTAMP ✓ OFFSET in Real-world ✓ Fail Safe and UNDROP ✓ Transient Tables, Real-time	Ch 6: Schemas and Session Context ✓ Schema Creation Usage ✓ Permanent, Transient Schemas ✓ Managed Schemas in Snowflake ✓ Invoking Schemas & Cloning ✓ Snowflake Workspaces ✓ Session Context & Schema ✓ Query and History Tab in GUI ✓ Data Loading with GUI
Ch 7: Constraints & Data Types ✓ Constraints & Validations ✓ NULL, NOT NULL Properties ✓ Keys & Constraints, Usage ✓ Inline, Out Of Line Constraints ✓ Table Constraints, Use ✓ ENFORCED Constraints ✓ DEFERRED, IMMEDIATE ✓ Snowflake Data Types	Ch 8: Snowflake Cloning ✓ Cloning with Snowflake ✓ Zero Copy, Schema Cloning ✓ Real-time Cloning ✓ Snapshot, Metadata ✓ Permissions for Cloning ✓ Accessing, Clone ✓ Storage & Metadata Layer ✓ Real-time Considerations	Ch 9: Snowflake Procedures ✓ Procedures and Functions ✓ SQL and JavaScript & CALL ✓ Transactions & Injection ✓ sqlText:command ✓ Cursoring Data and Operations ✓ Dynamic DML with SPs ✓ Working with Loops ✓ RETURN, RETURNS Statements
Ch 10: Security Management ✓ Security with Snowflake ✓ Users & Roles in Snowflake ✓ Privileges and Groups ✓ Organization, Account, Users ✓ Creating, Using Roles, Users ✓ System Defined Roles Usage ✓ Role Hierarchy, Dependency ✓ RBAC & DAC in Real-time	Ch 11: Snowflake Transactions ✓ Transaction ACID Properties ✓ Implicit, Explicit and Auto ✓ Durability and Data Storage ✓ current transaction() Usage ✓ to_timestamp_ltz and Usage ✓ Failed Transactions with SPs ✓ Transactions and SPs ✓ Scoped & INNER Transactions	Ch 12: Snowflake Streams & Audits ✓ Snowflake Streams & Usage ✓ Streams and DML Auditing ✓ Snapshot Creation, Offset ✓ METADATA Options & Streams ✓ Auditing DML Operations ✓ Data Flow & Snowflake Streams ✓ Streams on Transient Tables ✓ Time Travel with Stream Tables
Ch 13: Snowflake Tasks, Partitions ✓ Tasks, Serverless Compute ✓ Tasks Tree: Root and DAG ✓ Tasks Schedules and RESUME ✓ User & Snowflake Managed ✓ CRON Syntax with Tasks ✓ Virtual Warehouse Concepts ✓ Multi Cluster Warehouse	Ch 14: SnowSQL and Variables ✓ SnowSQL Configurations ✓ DDL, DML & SELECT ✓ SnowSQL Command Line ✓ Variables and Batch Process ✓ DECLARE, LET, BEGIN & END ✓ EXECUTE IMMEDIATE, FOR ✓ Creating Virtual Warehouse	Ch 15: Snowflake Partitions, Stages ✓ Snowflake Partitions, Use ✓ Micro Partition with DML, CDC ✓ Cluster Key, Depth and Overlap ✓ Internal Partition Types & Usage ✓ List, Range and Hash Partitions ✓ Snowflake Stages, Types ✓ Internal and External Stages

✓ Auto Scale Options, Billing	✓ Writing Output to Files	✓ COPY Command, Bulk Loads
Ch 16: Azure & External Stages ✓ Azure Subscriptions ✓ Azure Storage Account, BLOB ✓ SAS: Shared Access Signature ✓ Using SAS Key and FILE PATH ✓ Azure Storage with BLOB ✓ COPY INTO Command Usage ✓ Snowflake Patterns & RegEx ✓ File Formats: Creation, Usage	Ch 17: Snow Pipes & Incr Loads ✓ SnowPipe Incremental Loads ✓ Azure Queues & Integrations ✓ Azure Active Directory ✓ External Stage, Enterprise AD ✓ Snow Pipes and Data Loads ✓ Incremental Data Loads ✓ Enterprise Applications ✓ File Format with Reg Expr	Ch 18: Power BI with Snowflake ✓ Power BI: Big Data Analytics ✓ Configuring Power BI ✓ Snowflake Data Access ✓ Datawarehouse Access ✓ SnowPro Exam Guidance ✓ SnowPro Exam Samples ✓ Certification Guidance

Module 3: Data Build Tool (DBT)

Ch 1: DBT Fundamentals

- ✓ What is Data Build Tool?
- ✓ DBT as a data transformation tool
- ✓ Importance of DBT in ELT workflows
- ✓ DBT Cloud for data transformations

Ch 2: DBT Models and Materializations

- ✓ Building models in DBT
- ✓ Types of materializations
- ✓ Table, view, incremental materializations
- ✓ Model configurations

Ch 3: DBT Jinja Templating

- ✓ Introduction to Jinja

- ✓ Using Jinja with DBT
- ✓ Macros and reusable code
- ✓ Implementing dynamic SQL

Ch 4: DBT Testing and Documentation

- ✓ Writing and executing tests
- ✓ Data quality checks
- ✓ DBT documentation and lineage graphs
- ✓ Generating DBT docs

Ch 5: DBT Seeds and Sources

- ✓ Using seeds for static data
- ✓ Defining and using sources
- ✓ Source freshness checks
- ✓ Integrating external data

Ch 7: DBT Deployment and CI/CD

- ✓ Deployment strategies for DBT
- ✓ Continuous integration and deployment
- ✓ Automating DBT workflows
- ✓ Version control with Git

Ch 7: DBT Best Practices

- ✓ Project structure recommendations
- ✓ Coding standards and guidelines
- ✓ DBT project optimization
- ✓ Performance tuning tips

Ch 8: Hooks in DBT

- ✓ Custom scripts to run at specific points
- ✓ Adding additional logic to streamline Snowflake
- ✓ Analyses and exploratory data workflows
- ✓ Ad-hoc analyses that do not get materialized

Ch 9: DBT Snapshots

- ✓ Managing historical data
- ✓ Implementing DBT snapshots
- ✓ Snapshot configuration

- ✓ Strategies for handling changes

Ch 10: DBT Packages and Extensions

- ✓ Leveraging DBT packages
- ✓ Using community packages
- ✓ Extending DBT functionality
- ✓ Integrations with other data tools

Ch 11: DBT Advanced Topics

- ✓ Advanced Jinja usage, Snowpark
- ✓ Handling complex data scenarios
- ✓ Custom materializations, Snowpark
- ✓ Troubleshooting and debugging techniques

Ch 12: Real-time Project Phase 1

- ✓ Defining project requirements
- ✓ Initial project setup and DBT configuration
- ✓ Model planning and development
- ✓ Initial testing and validation

Ch 13: Real-time Project Phase 2

- ✓ Project deployment and monitoring
- ✓ Implementing advanced DBT features
- ✓ Comprehensive testing and documentation
- ✓ Real-world deployment considerations

 Choose **#SQLSchool** for your **#trainings** **#projects**

- ✓ Exclusively into SQL, AI Technologies
- ✓ 19+ Years of Continued Trust
- ✓ ISO Certified, MSME Regd.
- ✓ 120+ MNC Clients
- ✓ Practical, Step by Step Trainings

 We assure you:

- ✓ Step-by-step Practical Classes
- ✓ 100% Interactive, Detailed Notes
- ✓ Real-Time Project Work
- ✓ Resume Guidance
- ✓ Mock Interviews, Job Assistance, more .. !

 **For more details, free demo:** Call/WhatsApp at +91 9666 64 0801 / +91 9666 44 0801

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Trending Job Roles

- Data Analyst
- Data Engineer
- Data Architect
- Data Scientist
- Developer, more .. !

Training Highlights

- ✓ Step by Step
- ✓ LIVE Project(s)
- ✓ Job Assistance
- ✓ Resume Guidance
- ✓ Concept wise FAQs

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----- *All the best!* -----