



TRAINING HIGHLIGHTS

- ✓ Industry Expert Trainers
- ✓ Hands-on Real Time Projects
- ✓ Job Oriented Curriculum
- ✓ End to End Learning Approach
- ✓ Certification of Completion
- ✓ Dedicated Doubt Support
- ✓ Flexible Batch Timings
- ✓ Interview Preparation Support



Learn. Build. Deploy.
Become a Data Professional
with SQL School!



EXPERT TRAINERS
Learn from Industry Professionals



FLEXIBLE BATCH TIMINGS
Weekday & Weekend Batches



CERTIFICATION
Get Certified & Boost Your Career



JOB ORIENTED TRAINING
Skills that Get You Hired



DEDICATED SUPPORT
24/7 Doubt Resolution Support



REAL TIME PROJECTS
Work on Industry Level Projects



PRACTICAL TRAINING
Gain Hands-on Experience



REAL TIME PROJECTS
Build. Practice. Master.



CAREER GROWTH
Learn Today, Lead Tomorrow

**JOIN SQL SCHOOL AND TAKE THE NEXT STEP
IN YOUR DATA CAREER!**

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.

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 .. !

Who can join this course?

- ✓ Analysts
- ✓ Developers
- ✓ Administrators
- ✓ IT Professionals
- ✓ Students, any one!

Our Complete Snowflake Training includes below modules:

Module 1: Snowflake (Cloud ETL, DWH, Big Data)

Module 2: DBT (Data Build Tool)

Module 3: Real-Time 2 (E-Commerce Domain) For Resume

Module 4: Cortex AI

Module 5: Real-Time 2 (Health-Care Domain) For Resume

Flexible Training Options (Plans)?

	Course Modules	Duration
Plan A	Module 1: Snowflake (Cloud ETL, DWH, Big Data) Module 2: DBT (Data Build Tool) Module 3: Real-Time 2 (E-Commerce Domain) For Resume	5 Weeks
Plan B	Module 1: Snowflake (Cloud ETL, DWH, Big Data) Module 2: DBT (Data Build Tool) Module 3: Real-Time 2 (E-Commerce Domain) For Resume Module 4: Cortex AI Module 5: Real-Time 2 (Health-Care Domain) For Resume	7 Weeks

What kind of you can apply from this training?

- ✓ Snowflake Data Engineer
- ✓ Snowflake Developer
- ✓ Snowflake ETL Developer
- ✓ DBT Developer / Analytics Engineer
- ✓ Cloud Data Engineer
- ✓ Data Warehouse Developer

DETAILED COURSE CONTENT

Module 1: Snowflake (Cloud ETL, DWH)

Ch 1: Introduction to Snowflake

- ✓ Database, DWH Introduction
- ✓ Cloud Data Warehouse
- ✓ Cloud DWH Implementations
- ✓ Snowflake Cloud Intro
- ✓ Snowflake: SaaS Platform

Ch 2: Snowflake Concepts

- ✓ Snowflake Account (Cloud)
- ✓ Snowflake Components

- ✓ Snowflake Editions, Credits
- ✓ Snowflake Editions
- ✓ Virtual Private Edition (VPS)
- ✓ Snowflake Pricing

Ch 3: Architecture, Warehouse

- ✓ Compute Architecture
- ✓ Shared Disk Architecture
- ✓ CPU & Memory in Clusters
- ✓ Database Query & Data Cycle
- ✓ ColumnStore, Virtual Warehouse
- ✓ Classic UI with Snowflake
- ✓ Massively Parallel Processing

Ch 4: Snowflake Databases & Tables

- ✓ Snowflake Database Types
- ✓ Snowflake Table Types
- ✓ Retention Time, Connections
- ✓ Permanent, Transient Types
- ✓ CREATE TABLE AS SELECT (CTAS)

Ch 5: Time Travel, Recovery

- ✓ Time Travel in Snowflake
- ✓ Invoking Time Travel Feature
- ✓ Timestamp, Offset, Query ID
- ✓ Data Recovery, TIMESTAMP
- ✓ Fail Safe and UNDROP, OFFSET
- ✓ Transient Tables, Real-time

Ch 6: Schemas and Session Context

- ✓ Schema Creation Usage
- ✓ Permanent, Transient Schemas
- ✓ Managed Schemas in Snowflake
- ✓ Invoking Schemas & Cloning
- ✓ Session Context & Schema
- ✓ Data Loading with GUI

Ch 7: Snowflake Cloning

- ✓ Cloning with Snowflake
- ✓ Zero Copy, Schema Cloning
- ✓ Snapshot, Metadata
- ✓ Storage & Metadata Layer
- ✓ Real-time Considerations

- ✓ Transactions & Injection

Ch 8: Procedures & Views

- ✓ Procedures and Functions
- ✓ SQL and JavaScript & CALL
- ✓ sqlText:command
- ✓ Cursoring Data and Operations
- ✓ Dynamic DML with SPs
- ✓ RETURN, RETURNS Statements

Ch 9: 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 in Realtime
- ✓ Views For Security
- ✓ RBAC & DAC in Real-time

Ch 10: 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 11: Snowflake Streams & Audits

- ✓ Snowflake Streams & Usage
- ✓ Streams and DML Auditing
- ✓ Snapshot Creation, Offset
- ✓ METADATA Options & Streams
- ✓ Data Flow & Snowflake Streams
- ✓ Streams on Transient Tables
- ✓ Time Travel with Stream Tables

Ch 12: Snowflake Tasks

- ✓ 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
- ✓ Auto Scale Options, Billing

Ch 13: 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
- ✓ Writing Output to Files

Ch 14: Snowflake Partitions, Stages

- ✓ Snowflake Partitions, Views
- ✓ 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
- ✓ COPY Command, Bulk Loads

Ch 15: Azure / AWS External Stages

- ✓ 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 16: 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
- ✓ File Format with Reg Expr

Ch 17: Power BI with Snowflake

- ✓ Power BI: Big Data Analytics
- ✓ Snowflake Data Access, Views
- ✓ Datawarehouse Access, Views
- ✓ Server URL & View Access
- ✓ Data Analytics with Views

Ch 18: SnowPro Certification Exam Guidance

- ✓ SnowPro Certification Overview & Exam Structure
- ✓ Certification Domains & Key Topics
- ✓ Important Snowflake Concepts for the Exam
- ✓ Topic-wise Exam Preparation Strategy
- ✓ Practice Questions & Scenario-Based Questions
- ✓ Mock Tests & Exam Readiness Assessment
- ✓ Common Exam Mistakes & Tips to Avoid Them
- ✓ Time Management & Question-Solving Techniques
- ✓ Revision Checklist & Last-Minute Preparation
- ✓ Guidance on Certification Registration & Exam Process

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 6: 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

Module 4: Real-time Projects

- ✓ E-Commerce Domain
- ✓ Defining project requirements
- ✓ Initial project setup and DBT configuration
- ✓ Model planning and development
- ✓ Project deployment and monitoring
- ✓ Implementing advanced DBT features

- ✓ Comprehensive testing and documentation
- ✓ Real-world deployment considerations
- ✓ Solution Explanation
- ✓ Resume Points
- ✓ Interview FAQs and Answers
- ✓ **Technologies:** Snowflake | DBT | Azure/AWS

Module 5: Snowflake Cortex AI

Ch 1: Cortex AI Fundamentals

- ✓ AI Fundamentals
- ✓ Snowflake Data Engineering
- ✓ Snowflake ETL Operations
- ✓ Snowflake DWH Operations
- ✓ Need for AI Extensions

Ch 2: Introduction to Cortex AI

- ✓ What is Cortex AI?
- ✓ Why Cortex AI in Snowflake?
- ✓ Benefits of AI inside Data Cloud
- ✓ Cortex AI Architecture
- ✓ AI Use Cases in Modern Organizations
- ✓ Cortex AI Components Overview
- ✓ Snowflake AI Ecosystem

Ch 3: Cortex AI Concepts

- ✓ Cortex AI Setup and Configuration
- ✓ Security & Access Management
- ✓ Required Roles and Privileges
- ✓ Understanding AI Compute Resources
- ✓ Creating Sample AI Environment
- ✓ Cost Considerations and Best Practices

Ch 4: Snowflake Cortex Functions

- ✓ Introduction to Cortex Functions
- ✓ AI-Powered SQL Queries
- ✓ Text Analysis Functions
- ✓ Language Translation Functions
- ✓ Text Summarization
- ✓ Sentiment Analysis
- ✓ Classification Functions
- ✓ Information Extraction
- ✓ Named Entity Recognition (NER)

Ch 5: Large Language Models (LLMs) in Cortex

- ✓ Understanding LLM Concepts
- ✓ Foundation Models Supported by Snowflake
- ✓ Prompt Engineering Fundamentals
- ✓ Effective Prompt Design
- ✓ Zero-shot Learning
- ✓ Few-shot Learning
- ✓ Chain-of-Thought Prompting
- ✓ AI Response Optimization

Ch 6: Cortex Complete

- ✓ Introduction to Cortex Complete
- ✓ Text Generation with SQL
- ✓ Generating Summaries
- ✓ Content, Email Creation
- ✓ Ticket Resolution Suggestions
- ✓ Business Intelligence Narratives

Ch 7: Cortex Analyst

- ✓ What is Cortex Analyst?
- ✓ Natural Language to SQL
- ✓ Conversational Analytics
- ✓ Semantic Models
- ✓ Business Question Answering
- ✓ Dashboard Integration
- ✓ AI-Powered Self-Service Analytics

Ch 8: Cortex Search Service

- ✓ Introduction to Vector Search
- ✓ Semantic Search Concepts
- ✓ Search Service Architecture
- ✓ Creating Search Indexes
- ✓ Query Optimization
- ✓ Similarity Search
- ✓ Enterprise Knowledge Search

Ch 9: Cortex Agents

- ✓ Introduction to AI Agents
- ✓ Agent Architecture
- ✓ Multi-Step Reasoning
- ✓ Tool Calling
- ✓ Workflow Automation
- ✓ Building Intelligent Agents
- ✓ Enterprise AI Assistants

Ch 10: Document AI

- ✓ Introduction to Document AI
- ✓ PDF Data Extraction
- ✓ Contract Analysis
- ✓ Form Data Extraction

Module 6: Real-time Project 2

- ✓ Finance / Accounting / HealthCare Domain
- ✓ Defining project requirements
- ✓ Initial project setup and DBT configuration
- ✓ Model planning and development
- ✓ Project deployment and monitoring
- ✓ Implementing advanced DBT features
- ✓ Comprehensive testing and documentation
- ✓ Real-world deployment considerations
- ✓ Solution Explanation, Resume Points
- ✓ Interview FAQs and Answers

Technologies: Snowflake | Cortex AI | DBT | Azure/AWS | Power BI

Key Features @ 100% Practical Snowflake Training Course

- Data Ingestion from Azure/AWS
- DBT Data Transformation
- Sentiment Analysis using Cortex AI
- AI-Based Text Summarization
- Customer Trend Analysis
- Interactive Dashboards
- Automated Data Pipelines

Our **Snowflake Data Engineering Training** is designed to take learners from core concepts to **real-world, job-ready implementation**. The program combines **Snowflake, ETL, Data Warehousing, DBT, Cortex AI, SQL, and real-time projects** to provide practical exposure to modern cloud data engineering.

By the end of the training, participants will be able to:

- Design and build **end-to-end Snowflake data pipelines**
- Implement **ETL/ELT and Data Warehousing solutions**
- Work with **DBT for modern data transformation**
- Explore **Snowflake Cortex AI** capabilities
- Apply performance optimization and best practices
- Work confidently on **real-time, industry-oriented projects**
- Prepare for **SnowPro Certification**

- Strengthen their **resume, project presentation, and interview skills**

Learn Snowflake. Build Real Projects. Get Job-Ready.

📞 For more details, free demo: Call/WhatsApp at +91 9666440801 / +91 9666640801

- ✓ **Whatsapp Channel:** <https://bit.ly/3EN1IC3>
- ✓ **Youtube Channel:** www.youtube.com/sequelschool
- ✓ **Website:** www.sqlschool.com
- ✓ **Office Address:** <https://sqlschool.com/address>

FLEXIBLE LEARNING. COMPLETE TRUST.

— Learn your way. Trust our experience. —

CHOOSE YOUR LEARNING MODE



LIVE ONLINE TRAINING

- Instructor-led Live Classes
- Interactive & Doubt Solving
- Real-time Projects
- Flexible Batch Timings

OR



SELF PACED VIDEOS

- Learn at Your Own Pace
- Step-by-step Videos
- Course Notes & Resources
- Lifetime Access

WE BELIEVE IN TRANSPARENCY



For your trust, you can
VISIT OUR LOCATION
or send your representative.



Meet Our Team



Explore Our Training Environment



Experience Our Quality

OUR LOCATION

SQL School Training Institute

Hitech City, Hyderabad,
Telangana, India.



Hitech City, Hyderabad





Trusted Training
Since 2009



Trained 1,00,000+
Professionals



120+ MNC
Clients



Hitech City,
Hyderabad, India

www.sqlschool.com

For Free Demo: Reach us on +91 9666440801 or +91 9951440801