

SQL SCHOOL
Premium Quality Training

Microsoft Azure | databricks

Learn from Expert Trainer
Mr. Sai Phanindra
20+ Years of Industry Experience

DP-750: Implementing Data Engineering Solutions Using Azure Databricks

100% Practical Training to Level Up
Your Data Engineering Career

WHAT YOU WILL LEARN

- ✓ Spark SQL & PySpark
- ✓ Delta Lake Architecture
- ✓ ETL & Data Pipelines
- ✓ Unity Catalog
- ✓ Performance Optimization
- ✓ Real-Time Projects
- ✓ Interview Preparation

DATA SOURCES
Databases, Cloud Storage, Files / Logs, Streaming Data

DELTA LAKE
BRONZE Raw Data, SILVER Cleaned Data, GOLD Curated Data

SPARK SQL & PYSARK, PYSARK, SPARK SQL, DELTA LAKE, UNITY CATALOG, DATABRICKS

20+ Years of Industry Experience, 100% Practical Training, Real-Time Use Cases & Projects

ENROLL TODAY AT **SQL SCHOOL** | +919951440801 | www.sqlschool.com

Thank you for contacting our **SQL School**. I am **Mr. Sai Phanindra**, trainer for this **Databricks Training Course**. With 20+ Years of technical expertise exclusively on Database and Azure, BI Technologies, I assure you 100% Practical, Step by Step Classes for this in-depth course with DP 750 Exam Guidance. My Profile @ [linkedin.com/in/saiphanindra/](https://www.linkedin.com/in/saiphanindra/)

Course Duration: 1 Month; 100% Practical, LIVE & Realtime

🔒 Detailed Course Content 🔒

Ch 1: Databricks Introduction

- ✓ Cloud ETL, DWH
- ✓ Cloud Computing
- ✓ Databricks Concepts
- ✓ Big Data in Cloud

Ch 2: Databricks Architecture

- ✓ Unity Catalog, Volume
- ✓ Spark Clusters
- ✓ Apache Spark and Databricks
- ✓ Apache Spark Ecosystem
- ✓ Compute Operations
- ✓ Hadoop, MapReduce, Apache Spark

Ch 3: Unity Catalog

- ✓ Unity Catalog Concepts
- ✓ Workspace Objects

- ✓ Databricks Notebooks
- ✓ Databricks Workspace UI
- ✓ Organizing Workspace Objects
- ✓ Creating Volumes
- ✓ Spark Table Creations
- ✓ UI Limitations

Ch 4: Unity Catalog Operations, Spark SQL - 1

- ✓ Spark SQL Notebooks
- ✓ Creating Catalog
- ✓ Creating Schemas, Tables
- ✓ Spark Data Types
- ✓ Data Partitioning
- ✓ Managed Tables
- ✓ SQL Queries with the PySpark API
- ✓ Union, Views in Spark
- ✓ Dropping Objects
- ✓ External Tables, External Volumes
- ✓ SQL Notebooks: Exports, Clone

Ch 5: Spark SQL Notebooks - 2

- ✓ Math, Sort Functions
- ✓ String, Date Time Functions
- ✓ Conditional Statements
- ✓ SQL Expressions with expr()
- ✓ Volume for our Data Assets
- ✓ File Formats, Schema Inference
- ✓ Spark SQL Aggregations

Ch 6: Python Concepts - 1

- ✓ Python Introduction
- ✓ Python Versions
- ✓ Python Implementations
- ✓ Python in Spark (PySpark)
- ✓ Python Print ()
- ✓ Single, Multiline Statements

Ch 7: Python Concepts - 2

- ✓ Python Data Types
- ✓ Integer / Int Data Types
- ✓ Float, String Data Types
- ✓ Arithmetic, Assignment Ops
- ✓ Comparison Operators
- ✓ Operator Precedence
- ✓ If ... Else Statement
- ✓ Shorthand If, OR, AND

- ✓ ELIF and ELSE IF Statements

Ch 8: Python Concepts - 3

- ✓ Python Lists
- ✓ List Items, Indexes
- ✓ Python Dictionaries
- ✓ Tables Versus Dictionaries
- ✓ Python Modules & Pandas
- ✓ Import pandas DataFrame
- ✓ Pandas Series, arrays
- ✓ Indexes, Indexed Lists

Ch 9: PySpark - 1

- ✓ DataFrames with SQL DB
- ✓ Pandas DataFrame
- ✓ DataFrame()
- ✓ List Values, Mixed Values
- ✓ spark.read.csv()
- ✓ spark.read.format()
- ✓ Filtering DataFrames
- ✓ Grouping your DataFrame

Ch 10: PySpark - 2

- ✓ DataFrameReader
- ✓ DataFrameWriter Methods
- ✓ CSV Data into a DataFrame
- ✓ Reading Single Files
- ✓ Reading Multiple Files
- ✓ Schema with an SQL String
- ✓ Schema Programmatically

Ch 11: PySpark Transformations - 1

- ✓ Data Preparation
- ✓ Selecting Columns
- ✓ Column Transformations
- ✓ Renaming Columns
- ✓ Changing Data Types
- ✓ select() and selectExpr()
- ✓ Column Transformations
- ✓ withColumn()

Ch 12: PySpark Transformations - 2

- ✓ String Functions
- ✓ Datetime Conversions
- ✓ Date and Time Functions
- ✓ Joining DataFrames
- ✓ Union DataFrames
- ✓ Joining DataFrames

Ch 13: PySpark Transformations - 3

- ✓ Filtering DataFrame Records
- ✓ Removing Duplicate Records
- ✓ Sorting and Limiting Records
- ✓ Filtering Null Values
- ✓ Grouping and Aggregating
- ✓ Pivoting and Unpivoting
- ✓ Conditional Expressions

Ch 14: Medallion Architecture

- ✓ Medallion Architecture
- ✓ Aggregated Data Loads
- ✓ Bronze, Silver and Gold
- ✓ Temp Views
- ✓ Spark Tables (Parquet)
- ✓ Work with File, Table Sources

Ch 15: Delta Lake - 1

- ✓ Storage Layer
- ✓ Delta Table API
- ✓ Deleting Records
- ✓ Updating Records
- ✓ Merging Records
- ✓ History & Time Travel

Ch 16: Delta Lake – 2 (SCD)

- ✓ Schema Evolution
- ✓ Delta Lake Data Files
- ✓ Deleting and Updating Records
- ✓ Merge Into
- ✓ Incremental Loads
- ✓ Old History Retention
- ✓ Delta Transaction Log

Ch 17: Widgets

- ✓ Text Widgets
- ✓ User Parameters

- ✓ Manual Executions
- ✓ Lake Bridge
- ✓ Databricks Bridge One

Ch 18: Lake Flow Jobs

- ✓ Workflows & CRON
- ✓ Job Compute, Running Tasks
- ✓ Python Script Tasks
- ✓ Parameters
- ✓ Concurrent Executions
- ✓ Dependencies
- ✓ Branching Control

Ch 19: Databricks Tuning

- ✓ Lazy Evaluation
- ✓ Explain Plan
- ✓ Caching, Data Shuffling
- ✓ Broadcast Joins
- ✓ When to Partition
- ✓ Data Skipping
- ✓ Z Ordering
- ✓ Liquid Clustering
- ✓ Spark Configurations

Ch 20: Version Control & GitHub

- ✓ Local Development
- ✓ Runtime Compatibility
- ✓ Git and GitHub Pre-requisites
- ✓ Git and GitHub Basics
- ✓ Linking to GitHub, Databricks
- ✓ Databricks Git Folders
- ✓ Project Code to GitHub
- ✓ Databricks Job Updates, Runs

Ch 21: Spark Structured Streaming

- ✓ Streaming Simulator Notebook
- ✓ Micro-batch Size
- ✓ Schema Inference and Evolution
- ✓ Time Aggregations, Watermarking
- ✓ Writing Streams

- ✓ Trigger Intervals
- ✓ Delta Table Stream Reads, Writes

Ch 22: Auto Loader

- ✓ Reading Streams with Auto Loader
- ✓ Reading a Data Stream
- ✓ Manually Cancel your Data Streams
- ✓ Writing to a Data Stream
- ✓ Workspace Modules

Ch 23: Lake Flow Declarative Pipelines

- ✓ Delta LIVE Tables
- ✓ Data Generator Notebook
- ✓ Pipeline Clusters
- ✓ Databricks CLI
- ✓ Data Quality Checks
- ✓ Streaming Dataset "Simulator"
- ✓ Streaming Live Tables

Ch 24: Security: ACLs

- ✓ Overview of ACLs
- ✓ Workspace Users, Groups
- ✓ Workspace Access Control
- ✓ Cluster Access Control
- ✓ Groups & LakeBridge

Ch 25: Azure Databricks - 1

- ✓ Azure Account
- ✓ Azure Subscription
- ✓ Azure Resource Group
- ✓ Azure Databricks
- ✓ Azure Regions
- ✓ Azure IAM & Microsoft Entra
- ✓ Azure Databricks Deployment

Ch 26: Azure Databricks - 2

- ✓ Classic Compute
- ✓ Serverless Compute
- ✓ Notebooks & Jobs
- ✓ DBFS & Alternatives
- ✓ External Tables
- ✓ Photon Acceleration
- ✓ DBU & Pricing
- ✓ Unity Catalog Features

Ch 27: Realtime Project Ecommerce / Banking / Sales

- ✓ Detailed Project Requirements
- ✓ Project Solutions
- ✓ Project FAQs
- ✓ Project Flow
- ✓ Interview Questions & Answers
- ✓ Resume Guidance (1:1)

DP-750: Implementing Data Engineering Solutions Using Azure Databricks

- 📁 📄 Certification Dumps
- 📁 📄 Sample Certifications

SQL SCHOOL
Quality Training Assured

DP-750: Implementing Data Engineering Solutions Using Azure Databricks

100% Practical Training to Level Up
Your Data Engineering Career

DATA SOURCES

- Databases
- Cloud Storage
- Files / Logs
- Streaming Data

Azure

Azure Databricks

DELTA LAKE

BRONZE Raw Data
SILVER Cleaned Data
GOLD Curated Data

WHAT YOU WILL LEARN

- ✓ Spark SQL & PySpark
- ✓ Delta Lake Architecture
- ✓ ETL & Data Pipelines
- ✓ Unity Catalog
- ✓ Performance Optimization
- ✓ Real-Time Projects
- ✓ Interview Preparation

20+ Years of Industry Experience

100% Practical Training

Real-Time Use Cases & Projects

ENROLL TODAY AT
SQL SCHOOL

+919951440801

www.sqlschool.com