

SQL School TM

Quality Training Assured

MySQL Training

	Plan A	Plan B
Course Includes	MySQL	MySQL, Aurora DBA
Completely Real-time, Practical	✓	✓
Mock Interviews, Case Studies	✓	✓
SQL Basics and Query Writing	✓	✓
Normal Forms, Joins, Queries	✓	✓
MySQL Architecture	✓	✓
Basic to Advanced Queries	✓	✓
Joins, Audits, System Objects	✓	✓
Backups, Restores & Jobs	✓	✓
Health Checks and Repairs	✓	✓
HA - DR Strategies, Solutions	✓	✓
MY SQL Versus SQL Server	✓	✓
Real-time Project in MYSQL	✓	✓
Aurora MySQL database (DB)	X	✓
MySQL Migrations to Aurora	X	✓
AWS Configurations and Settings	X	✓
Real-time Issues with Aurora DB	X	✓
Real Time Project in Aurora DB	X	✓
Course Duration	4 Weeks	6 Weeks

Trainer :Mr. Sai Phanindra T [14+ Yrs of Real-time Exp].

Please visit / access the complete profile of the trainer at: [linkedin.com/in/saiphanindra](https://www.linkedin.com/in/saiphanindra)

Chapter 1 – Getting Started with MySQL and Installing MySQL

MySQL Overview; Basics of Relational Databases; Entities and Relationships; SQL Language and MySQL; SQL data definition language and data; manipulation language; MySQL Client/Server Model; MySQL Connectors; Installation of the MySQL server; Starting and stopping MySQL server; Using the MySQL client; MySQL Workbench;

Chapter 2 - Designing Your Database and Understand Data Types

Database Modeling; Keys and Normalization; Database Design; Viewing and Evaluating a Database; Data Types and Database Design; Numeric, Temporal and String Data Types; Character Set and Collation Support; Data Type Considerations; Meaning of NULL;

Chapter 3: Creating Databases and Tables

Creating a Database; Creating a Table; Showing How a Table Was Created; Table Options; Column Options; Indexes, Keys, and Constraints; Deleting database and tables; Creating New Table Using an Existing Table; Creating a Temporary Table; Copying an Existing Table Structure; Adding, removing and modifying table columns and indexes;

Chapter 4: Querying and Modifying Table Data

The SELECT Statement; Creating Views; Querying Data from an Application; Exporting and Importing a Delimited File; Troubleshooting: Authorization Levels; Manipulating Data and inserting records; Replacing and updating existing records; Deleting records; Exporting and importing a script; Multistatement Transactions; Modifying Data from an Application;

Chapter 5 - Joining Tables and Functions

Querying Multiple Tables; Joining Tables with SELECT; Inner Joins & Outer Joins; Table Name Aliases; Using & String Functions; Date and time functions; Numeric & Aggregate Functions; Spaces in Function Names;

Chapter 6 – MySQL Architecture and Administration Basics

Architectural Overview; Understand how MySQL Transmits Data; MySQL Processes Requests; Understand how MySQL Stores Data; MySQL uses Memory; Tablespaces, Redo and Undo Logs; Plug-in Interface;

Chapter 7 - Configuring & Monitoring MySQL Server

Server Configuration Options; Option Files and System Variables; Launching Multiple Servers on the Same Host; Monitoring Tools & Techniques; MySQL Enterprise Audit & Monitor; Monitoring User Activity;

Chapter 8 - User Management

Creating and Modifying User Accounts; Configuring Passwords; Authentication Plug-Ins; Granting Permissions & Grant Tables;

Chapter 9 - Security

Understanding Security Risks; Network Security & Secure Connections; Password & Operating System Security;

Chapter 10 - Backup Tools & Technique

Understanding Backups & Backup Techniques; Creating a Backup Strategy; MySQL Backup Tools; Raw Backup Methods;

Chapter 11 - Percona Server

Percona Overview; Percona Server Installation; PerconaXtraBackup Installation;

PerconaFeatures; Configuration of XtraBackup; Taking Full Backup; Taking Incremental Backups; Restoring / Recovering Full Backups and Incremental; Partial Backups; XtraBackup Installation on MySQL Server;

Chapter 12 - Performance Tuning - Partitioning

Overview of Partitioning in MySQL; Partitioning Types; RANGE Partitioning; LIST Partitioning; HASH Partitioning; KEY Partitioning;

Chapter 13 - Replication

Overview Replication; Master-Slave Configuration; Master-Master Configuration; Replication trouble shooting / errors;

Chapter 14 - Performance Tuning

MyISAM Key Cache; InnoDB PT Parameters; InnoDBStartup Options.; Restrictions on InnoDB Tables; The InnoDB Buffer Pool; Optimization [About Constraints]; Index Management; About Locking & Issues; Locking Methods, Table Locks, Deadlock; Events; Creating, Altering, Monitoring, Dropping Events;

Chapter 15 - MariaDB Server Installation

Features of MariaDB; Differences of MariaDB and MySQL; System databases;

Chapter 16 - AZURE Cloud for DBA's

Introduction of Cloud Computing; What is IAAS, PAAS & SAAS; Installing MySQL Server in Azure; Accessing MySQL from Azure Cloud; MySQL Connecting from On-premises to Azure Cloud;