ADITYA SIR

Ai ACADEMY

LEARN | INNOVATE | AUTOMATE

12 Weeks

SQL/My SQL

Become a Professional in

SQL/My SQL

In 6 Weeks

Learn from Industry Experts | Live Projects | Placement Support

LN AI Academy is dedicated to providing industry-focused training that helps students build real skills for real jobs in Data Science, AI, Machine Learning, and modern development tools.

Our mission is to make high-quality tech education accessible for everyone. With expert mentors, practical projects, and job-oriented modules, we help learners build the confidence and expertise needed to succeed.

10K+	**250+**	**100%**
Student Trained	**Real-World Projects**	**Placement Assistant**

Introduction to RDBMS

- Understanding data storage options
- Relational Database (RDBMS) Concept
- Installing MySQL Server database
- MySQL editors
- Difference between SQL & MySQL

MySQL Data Types

- Numeric types
- tinyint, smallint, mediumint, int, bigint, float, double, decimal
- Text types
- char, varchar, tinytext, text, mediumtext, longtext
- Date/Time types
- date, time, datetime, timestamp, year

MySQL Operators

- Arithmetic operators (+ ,-, *, /)
- Logical operators (and, or, not)
- Conditional operators (>,<,<>,=,like, between, in, is etc.)

MySQL CRUD operations

- C-creating rows
- R-Retrieving (Selecting) rows
- U-Updating rows
- D-Deleting rows

MySQL Constraints

- Not null, unique key
- Primary key, composite key
- Foreign key
- Default & check

MySQL Union & Joins

- Union,union all,except,intersect
- Inner Join,Natural Join
- Left Join,Right Join
- Full Join,Cross Join
- Self Join

MySQL View

- creating view
- updating view
- fetching data from view

MySQL Built-in Functions

- String functions
- Aggregate functions
- Date & time functions
- Window functions

Subquery & CTE

- Understanding SQL subqueries, their rules
- Statements and operators with which subqueries can be used
- Using the set clause to modify subqueries
- Understanding different types of subqueries, such as where, select, insert, update, delete, etc.
- Methods to create and view subqueries
- Common table expression (CTE)

Stored Procedures & Functions

- Why define user defined functions
- Limitations with functions
- Understanding stored procedures and their key benefits
- Working with stored procedures
- Studying user-defined functions

Event Handling using Triggers

- Understanding triggers
- Procedure versus trigger
- Why define logic inside trigger
- Types of triggers
- Old and New modifiers in trigger

Other Concepts

- Query optimization using index
- Savepoint
- Rollback
- Importing/exporting database

Python Database Connectivity

- Understanding driver/connector
- Creating database connection
- Understanding Cursor
- Executing queries
- Parameterized queries