

Module 1: Introduction to Databases

- Basics of databases
 - Relational vs. Non-relational databases
 - Overview of MySQL
 - Installing MySQL Workbench
 - MySQL Workbench and command-line tools
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Module 2: MySQL Basics

- Understanding MySQL Basics
 - Creating and selecting databases
 - Data types in MySQL
 - Create database and use database
 - Flow of data
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Module 3: Table & Columns

- Create table with column
- Insert data into table
- Create delete database and tables
- Update table

Module 4: Data Querying and Filtering

- Primary Key
- Foreign Key
- Using WHERE clause
- Logical operators (AND, OR , NOT)
- Comparison operators
- Using LIKE for pattern matching
- Range like BETWEEN, IN

Module 5: SQL Functions

- String functions
- Numeric functions
- Date and Time functions
- Aggregate functions
- Using Group By

Module 6: Advance Topics

- MySQL Joins**
 - UNION Select**
 - SubQueries**
 - Indexes and Keys**
 - Transactions and Security**
 - Triggers and Events**
 - MySQL Performance Optimization**
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