

SQL Programming with MySQL DATABASE

SQL Programming with MySQL Database - Course Syllabus

1. Basics of Databases

- Data Models and basic terminologies
- Advantages and disadvantages of DBMS

2. SQL Basic Understanding

- What is SQL?
- What SQL Can do?
- SQL Process
- ACID Properties
- What is ER Model?
- Best Practices
- Database Normalization

3. Introduction to SQL

- SQL Commands
- SQL Constraints
- Types of Keys

- MySQL Hands-on
- 4. SQL Basic Commands with demonstration**
- 5. Basics and Aggregation Functions**
- 6. Regular Expression Functions**
- 7. SQL Comparison Clauses**
 - exists
 - not exists
 - create table like
 - case when
 - NULL Functions
- 8. SQL String Functions**
- 9. SQL Numerical Function**
- 10. Introduction to Date Functions**
- 11. SQL Joins – Introduction and demonstration**
- 12. Introduction MySQL Workbench**
- 13. Stored Procedures and Views**