

Course : MySQL
Duration : 30 Days
Course Fees : `3,000/-

Course Coverage

1. Introduction to DataBase

- What is Database
- Advantages of Using Databases
- Types of Databases
- Data Models
- Database Terminologies

2. SQL and MySql Concepts

- History and Development of MysqI
- Introduction to SQL
- Classification of SQL Commands

3. MySql Data Types

- Data types for Integers
- Data types for Real numbers
- Data types for Strings
- Difference between CHAR and VARCHAR
- Data types for Dates

4. DDL Commands

- Creating Tables
- Showing Table structure
- Altering table structure
- Use of Constraints

5. DML Commands

- Inserting records in tables
- Updating records in tables
- Deleting records from tables

6. Writing Queries

- Use of SELECT Statement
- Scalar Expressions
- Putting Text in Query Output
- Use of Column Aliases
- Simple calculations using and not using Dual Table
- MysqI Operators: Arithmetic Operators, Relational Operators, Logical Operators

- IN, NOT IN, LIKE, NOT LIKE, BETWEEN, NOT BETWEEN

7. Single Row Functions

- Numeric Functions
- Character Function
- Date Functions
- Conversion Functions
- Difference Between Now() and Sysdate()

8. Group Functions.

- Applying group function on columns
- Use of HAVING with group Functions
- Difference Between WHERE and HAVING

9. Joins

- Natural Join
- Equi Join
- Non-Equi Join
- Outer Join
- Self Join

10. Nested Queries

- Concept of Sub-Query
- Use of value returned by Inner Query
- in Outer-Query

DML Commands

11. TCL Commands

- Concept of Database Transactions
- ACID Property
- COMMIT, ROLLBACK and SAVEPOINT

12. More on DDL Commands

- Creating Table with Constraints
- UNIQUE, NOT NULL, PRIMARY KEY, CHECK, DEFAULT and FOREIGN KEY.
- Adding and Removing Constraints
- Use of ON DELETE CASCADE
- Dropping Tables
- Dropping Database