# MySQL Training Syllabus

## MYSQL DATA DEFINITION using SQL

- Manage Databases
- MySQL Table Types
- MySQL Data Types
- MySQL CREATE TABLE
- MySQL Primary Key
- MySQL Foreign Key
- MySQL Sequence
- MySQL INT Data Type
- MySQL DECIMAL Data Type
- MySQL DATE Data Type
- MySQL TIME Data Type
- MySQL DATETIME Data Type
- MySQL ALTER TABLE
- MySQL RENAME TABLE
- MySQL ADD COLUMN
- MySQL DROP TABLE
- MySQL Temporary Table

## Basic Data Manipulation using SQL

- SQL Syntax
- What is DDL, DML and DCL?
- SQL Select
- SQL Distinct
- SQL Where
- SQL And & Or
- SQL Order By
- SQL Insert Into
- SQL Update
- SQL Delete
- SQL Injection
- SQL Select Top
- SQL Like
- SQL Wildcards
- SQL In
- SQL Between
- SQL Aliases
- SQL Joins
- SQL Inner Join
- SQL Left Join
- SQL Right Join
- SQL Full Join

- SQL Union
- SQL Select Into
- SQL Insert Into Select
- SQL Create DB
- SQL Create Table
- SQL Constraints
- SQL Not Null
- SQL Unique
- SQL Primary Key
- SQL Foreign Key
- SQL Check
- SQL Default
- SQL Create Index
- SQL Drop
- SQL Alter
- SQL Auto Increment
- SQL Views
- SQL Dates
- SQL Null Values
- SQL Null Functions
- SQL Data Types
- SQL DB Data Types

## SQL Functions

- SQL Avg()
- SQL Count()
- SQL First()
- SQL Last()
- SQL Max()
- SQL Min()
- SQL Sum()
- SQL Group By
- SQL Having
- SQL Ucase()
- SQL Lcase()
- SQL Mid()
- SQL Len()
- SQL Round()
- SQL Now()
- SQL Format()

## MYSQL STORED PROCEDURES

- MySQL Stored Procedures Introduction
- MySQL Stored Procedures Getting Started
- MySQL Stored Procedure Variables

- MySQL Stored Procedure Parameters
- MySQL Stored Procedures – Return Multiple Values
- MySQL IF Statement
- MySQL CASE Statement
- IF vs. CASE
- MySQL Loop Statements
- MySQL Cursor
- MySQL Stored Procedures Listing
- MySQL Error Handling
- MySQL Stored Procedures – Raising Error Conditions
- MySQL Stored Function

## Introduction to SQL Trigger
- MySQL Triggers Implementation
- Create Trigger in MySQL
- Managing Triggers in MySQL
- Create Multiple Triggers For The Same Trigger Event And Action Time
- Working with MySQL Scheduled Event
- Modifying MySQL Events

## MYSQL VIEWS
- Introduction to Database View
- Views in MySQL
- MySQL CREATE VIEW
- MySQL Views & WITH CHECK OPTION
- Creating MySQL Updatable Views
- LOCAL & CASCADED in WITH CHECK OPTION
- Managing Views in MySQL