

Course Description: This MySQL training course is designed for students new to writing SQL queries using MySQL.

Who Should Attend: Students new to writing SQL queries using MySQL will benefit from this course.

Prerequisites: There are no prerequisites for this course.

Benefits of Attendance: Upon completion of this course, students will be able to:

- Understand how MySQL works
- Use SQL to output reports with MySQL
- Modify MySQL data with SQL
- Create a simple MySQL database

Course Outline:

Relational Database Basics

Brief History of SQL
Relational Databases
Popular Databases
SQL Statements

Simple SELECTs with MySQL

Introduction to the Northwind Database
Some Basics
SELECTing All Columns in All Rows
Exploring the Tables
SELECTing Specific Columns
Sorting Records
The WHERE Clause and Operator Symbols
The WHERE Clause and Operator Words
Checking Multiple Conditions
Writing SELECTs with Multiple Conditions

Advanced SELECTs with MySQL

Calculated Fields
Aggregate Functions and Grouping
Built-in Data Manipulation Functions

Subqueries, Joins, and Unions with MySQL

Subqueries
Joins
Outer Joins
Unions

Inserting, Updating and Deleting Records with MySQL

INSERT
UPDATE
DELETE

Creating and Modifying Tables with MySQL

Creating Tables
Datatypes
Altering Tables
Renaming Tables
Dropping Tables

Views and Stored Procedures

Creating Views with MySQL
Dropping Views
Creating Stored Procedures
Benefits of Stored Procedures