2 Days Course on

Introduction to SQL using MySQL

Basic to Intermediate Course

Course Overview

MySQL is by far the most popular database management system for small- to medium-sized web projects. In this course, you'll learn how to correctly structure your database, how to author efficient SQL statements and clauses, and how to manage your SQL database for scalable growth. This course gives you all the information you need to successfully start working with SQL databases and make use of the database in your applications.

Prerequisites

This course is ideal for those who already have understanding of Web, HTML and CSS. Knowledge of some programming language would be advantage.

Course Settings

Date	Refer to Training Calendar
Venue	Refer to Training Calendar
Fees	Contact Us at sales@2-sigma.com
Timings	0900-1700 (2 Days)
Inclusive	Certificates and notes
Audience	Software Developers, Database Administrators, System Engineers, System Analysts and Web Developers.

MySQL Basic -Schedule

Day 1	
09.00am – 10.00am	**Introduction** • Welcome • Things you should know before starting this course • Tools you need for database design • Installation and configuration **Database Basics** • What is database? • Different type of databases? • What's the role of database in application programming?
10.00am – 10.30am	Breakfast
10.30am – 12.45pm	**Relational Databases** • Determine the goal of the database • Consider the current system • Gathering requirements of the database • Finding exceptions to the rules **Database Design** • Identifying entities • Defining the attributes • Normalisation • Design considerations **MySQL Basics** • Understanding MySQL terminology: database, table, column,

	row and field • Finding information • Exploring MySQL data types • Understanding declarative language **MySQL Basics** • Understanding MySQL terminology • Tables and relations • Primary and foreign keys and other constraints • Storage engins • Exploring MySQL data types • Understanding declarative language
12.45pm – 02.15pm	Lunch
02.15pm – 05.00pm	**SQL Querying** • Creating a database • Creating and altering table • Reading from a table • Adding and updating data • Grouping data • Basic functions • Sorting results • Limiting results
Day 2	
09.00am – 10.00am	**More Advanced Querying** • Date and number functions • String functions • Columns aliases • Comparing strings and numbers with operators • Filter operations
10.00am – 10.30am	Breakfast
10.30am – 12.45pm	**Joining Tables** • Tables aliases • Relationships • Types of joins • Joining tables with matching fields • Joining tables regardless of matching data • Complex multi table joins **Subqueries** • Filtering using subqueries • The EXISTS clause • Subqueries as alternatives to joins • Derived tables
12.45pm – 02.15pm	Lunch
02.15pm – 05.00pm	**Transaction Control** • What are transactions • Initiating a transaction • The COMMIT and ROLLBACK commands

	Using Views To Simplify Table Access
	• Creating views
	• Replacing views
	• Dropping views
	Extras
	• How to read MySQL documentation
	• Import and export
	• User management and privileges

More Information

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To register, please email to sales@2-sigma.com or fax the registration form to 03-61880602,
we will contact you for further action.

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