MySQL and PHP - Developing Dynamic Web Applications

Duration: 4 Days

What you will learn
This MySQL and PHP - Developing Dynamic Web Applications will teach you how to develop applications in PHP and use MySQL efficiently for those applications. Through a hands-on approach, this instructor-led course will help you improve your PHP skills and combine them with time-proven database management techniques to create best-of-breed web applications that are efficient, solid and secure.

Students Who Can Benefit from this Course:

Developers who use PHP and MySQL to build and maintain their websites.
Developers who want to learn how PHP and MySQL can be used to rapidly prototype and deploy dynamic websites.

Audience
Database Administrators
Database Designers

Related Training

Required Prerequisites
Have some programming experience (preferably PHP)
Some experience with relational databases
Understand fundamental PHP syntax
Understand how HTML files are assembled

Suggested Prerequisites
Have some knowledge of Object-Oriented Programming

Course Objectives
Describe the LAMP architecture
Use the basic components of PHP to build a foundation for more complex web applications
Understand the basic components of MySQL
Use SQL query commands to retrieve data from the MYSQL database
Change table data using the SQL Data Manipulation Language (DML) commands
Retrieve data from multiple MySQL tables using Joins

Create web based forms that interact with the end user and the data within MySQL

Use session handling to authenticate and monitor user identities

Describe the purpose of template systems

Course Topics

**Introduction**
MySQL Overview
MySQL Products
MySQL Services
MySQL Enterprise Services
Supported Operating Systems
MySQL Certification Program
Training Curriculum Paths
MySQL Website

**LAMP**
LAMP Architecture
Apache Server
The MySQL Database
PHP
Installing XAMPP

**PHP Foundations**
Delimit PHP code within HTML
Comment PHP code
Construct Feedback
Use the Data Types available in PHP
Use Key Control Statements
Develop Reusable Code with user defined functions

**MySQL Foundations**
General Architecture
MySQL client
Tables
Storage Engines
SELECT statement
Aggregate queries

**PHP Connecting to MySQL**
Establish and close a connection to the MySQL server from PHP
Retrieve and display data from the MySQL server

**Linking Between Tables**
Define and create an HTML link
Create the ability to pass information between web pages
Link dynamic pages to other pages

SQL DML
Use the INSERT statement
Use the UPDATE statement
Use the REPLACE statement
Use the DELETE statement

Forms
Create and design HTML web forms
Update data in a MySQL database using a web form
Delete MySQL data with PHP
Insert new records in MySQL using web forms

Joins
Describe the concept of a Join
Connect Data from Multiple Tables using Joins
Resolve Name Clashes when Joining Tables

Session Handling
Describe Session Handling
Use Session Handling Tasks
Database Authentication

Common Techniques
Template Systems
Smarty Template System

Conclusion
Course Overview
Training and Certification Website
Course Evaluation
Thank You!
Q&A Session