

Introduction to PHP

Length:

5 days

Description:

PHP and MySQL are two of the most popular open source technologies to emerge during the past decade. PHP is a powerful scripting language designed to enable developers to create highly featured Web applications more efficiently and MySQL a very popular open source database that integrates well with PHP. Together, these two technologies provide you with a powerful platform for building dynamic Internet-based applications. With this course, students will learn to successfully build data-driven Web sites using PHP and MySQL.

Course Objective:

By taking this course student will:

- Have acquired PHP programming skills needed to build interactive, data-driven sites
- Learn the basics of the PHP language
- Know how to set up and work with a MySQL database
- Learn how to use PHP to interact with the database and the server
- Have the experience of:
 - Authenticating users
 - Constructing a shopping cart
 - Generating PDF documents and images dynamically
 - Sending and managing email
 - Facilitating user discussions
 - Connecting to Web services using XML
 - Developing Web 2.0 applications with Ajax-based interactivity

Audience:

Programmers who want to learn to build database-driven applications with PHP and MySQL.

Prerequisites:

Students should know HTML and have some programming experience. Should also be familiar with relational database systems.

Course Contents:**Chapter 1 - Using PHP**

- PHP Crash Course
- Storing and Retrieving Data
- Using Arrays
- String Manipulation and Regular Expressions
- Reusing Code and Writing Functions
- Object-Oriented PHP
- Error and Exception Handling

Chapter 2 - Using MySQL

- Designing Your Web Database
- Creating Your Web Database
- Working with Your MySQL Database
- Accessing Your MySQL Database from the Web with PHP
- Advanced MySQL Administration
- Advanced MySQL Programming

Chapter 3 - E-Commerce and Security

- Running an E-Commerce Site
- E-commerce Security Issues
- Web Application Security
- Implementing Authentication with PHP and MySQL
- Implementing Secure Transactions with PHP and MySQL

Chapter 4 - Advanced PHP Techniques

- Interacting with the File System and the Server
- Using Network and Protocol Functions
- Managing the Date and Time
- Generating Images
- Using Session Control in PHP
- Other Useful Features

Chapter 5 - Building Practical PHP and MySQL Projects

- Using PHP and MySQL for Large Projects
- Debugging
- Building User Authentication and Personalization
- Building a Shopping Cart
- Building a Web-Based Email Service
- Building a Mailing List Manager
- Building Web Forums
- Generating Personalized PDF Documents
- Connecting to Web Services with XML and SOAP
- Building Web 2.0 Applications with Ajax