



Advanced PHP 5 and MySQL

Duration: 2 days

Course Synopsis:

PHP has gained a following among non-technical web designers who need to add interactive aspects to their sites. Offering a gentle learning curve, PHP is an accessible yet powerful language for creating dynamic web pages. This two day hands-on training class is designed to cover the more advanced PHP and MySQL features that will enable you to build powerful database-driven Web applications.



Who Should Attend:

Web professionals who need to develop dynamic web content through data driven pages, using PHP. Experienced users will also benefit from the many tips and tricks, and special exercises.

Prerequisites:

Because of the amount of material we cover in class, we do require students to be comfortable using a mouse, opening and saving files, and the general operations of computers. While we will make every reasonable effort to help, students with insufficient skills may be required to observe the class lessons or do their best to keep up without slowing down the rest of the class.

What You Will Learn:

- Connecting to MySQL
- Inserting, Updating, and Deleting Records
- Session Control and Cookies
- SQL Select - Subqueries, Joins, and Unions
- Regular Expressions
- Sending Email and File System Management

Time:

Class time is 9:00 a.m.- 4:00 p.m.
Breaks are scheduled throughout the day and lunch is typically scheduled 12-1. Students provide their own lunch.

Course Materials:

Course materials are provided. Our goal is to make sure your class meets your objectives, not ours. Therefore, all of our outlines are treated as guides to help steer the workshop. We may change or alter course topics to best suit the classroom situation.

Locations:

We have company-operated facilities in Atlanta, Chicago, Denver, San Diego and Washington DC. We also work with a network of rental facilities to offer our classes regularly across the United States and in Canada. Please double-check the location of your class with our office to make sure you get to the right location.

Related Courses:

We recommend the following courses that relate to this class: Introduction to PHP and Adobe Dreamweaver. Please take a look at our other course outlines at our web site: <http://www.ledet.com>.

Goals:

Sterling Ledet and Associates realizes the importance of education and we take pride in being able to offer you classes that are more custom fit to your needs. Call us at (770) 414-5007 if you have any special questions or e-mail us at sales@ledet.com.

Registration:

Please fill out our registration form and fax it to us at (312) 896-9094.

URL: <http://www.ledet.com> • Local: (770) 414-5007 • Toll Free: 1-877-819-COOL



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LESSON PLANS

LESSON 1

Introduction MySQL

Simple Select
 Introduction to the Northwind Database
 Comments
 Whitespace and Semi-colons
 Case Sensitivity
 SELECTing All Columns in All Rows
 SELECTing Specific Columns
 Sorting Records
 Sorting By a Single Column
 Sorting By Multiple Columns
 Sorting By Column Position
 Ascending and Descending Sorts
 The WHERE Clause and Operator Symbols
 Checking for Equality
 Checking for Inequality
 Checking for Greater or Less Than
 Checking for NULL
 WHERE and ORDER BY
 The WHERE Clause and Operator Words
 The BETWEEN Operator
 The IN Operator
 The LIKE Operator
 The NOT Operator
 Checking Multiple Conditions
 AND, OR, Order of Evaluation

LESSON 2

Subqueries, Joins and Unions

Subqueries
 Joins
 Table Aliases
 Multi-table Joins
 Table Aliases
 Outer Joins
 Unions
 UNION ALL
 UNION Rules

LESSON 3

Inserting, Updating and Deleting Records

INSERT, UPDATE, and DELETE
 Managing Data
 Querying a Database
 mysqli() Overview
 mysqli Methods and Properties
 Inserting and Updating Records
 mysqli Prepared Statements
 mysqli() Overview
 mysqli Methods and Properties
 Inserting and Updating Records
 mysqli Prepared Statements

LESSON 4

Subqueries, Joins and Unions

Subqueries
 Joins
 Table Aliases
 Multi-table Joins
 Table Aliases
 Outer Joins
 Unions
 UNION ALL
 UNION Rules

LESSON 5

Regular Expressions

Perl-compatible Regular Expression
 Functions
 preg_match()
 preg_replace()
 Regular Expression Tester
 Regular Expression Syntax
 Form Validation Functions with Regular Expressions

LESSON 6

Session Control and Cookies

Sessions
 Configuring Sessions
 Session Functions
 Cookies
 Sending Email with PHP
 mail()
 Shortcomings of mail()
 PHPMailer

LESSON 7

File System Management

Opening a File
 fopen()
 Reading from a File
 fgets()
 Writing to a File
 fwrite()
 File Locking
 flock()
 Uploading Files via an HTML Form
 Getting File Information
 More File Functions
 Directory Functions
 Getting a Directory Listing