PHP & MySQL Bootcamp

Unlock the dynamic power of the web with PHP & MySQL and gain a fundamental understanding of these two building blocks of dynamic websites. Learn how to use these database languagues to interact with customers, collect and display information from a database, send emails, and more.

Group classes in NYC and onsite training is available for this course.
For more information, email hello@nobledesktop.com or visit:
https://www.nobledesktop.com/classes/php

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Course Outline

Section 1

Basic PHP Syntax
- Echo, Strings, and Variables
- Single Quotes vs. Double Quotes
- Escaping Characters
- Heredoc
- Concatenation
- Comments

Working with Numbers
- Arithmetic Operators
- Assignment Operators
- Table of Arithmetic Operators
- Table of Assignment Operators
- Defining a Site and Testing Server in Dreamweaver

Conditionals
- If/Else
- Elseif
- Switch
- Comparison Operators
- Logical Operators
- The Difference Between == and ===

Section 2

Arrays
- Creating a simple array
- Using array()
- Multidimensional Arrays
- Printing an Entire Array Using print_r()

Loops
- While Loops
- Do...While
- For Loops
- ForEach
- Break Out of Loop
- Continue

Working with Strings
- Comparing Strings
- Converting to Upper and Lower Case
- Searching Through Strings
- Case-Sensitive and Case-Insensitive

Section 3

Form Basics and Security
- Post vs. Get
- Radios, Checkboxes, and Select Fields
- Magic Quotes
- Securing the page
- Using Functions

Sending Email
- Setting Up MAMP Pro
- Setting Up XAMPP and Mercury Mail
- Sending a Test Email

Simple Form Validation and Email
- Sanitizing Input
- Error Checking
- Displaying Errors
- Sending Email
- Adding a Thank You Page
- Including Files

Section 4

Cookies

- Adding Cookies
- Tracking the Number of Visits
- Sending an Email with the Cookie Info

Sessions
- Starting a Session
- Using Session Variables
- Log In/Log Out
- Destroying Session Variables

File Uploads
- Making a File Upload Form
- The $_FILES Array
- Uploading Files
- Basic Security

Section 5

Creating a Database/MySQL/SELECT
- Creating a New Database
- Connecting to the Database
- SQL Basics
- The SELECT Statement
- Display the Number of Rows Returned
- Making a Reusable Connection Script
- MySQL vs. MySQLi vs. PDO

Making a Reusable Connection Script
- Error Checking
- Making an Include
- Sorting Results

Prepared Statements
- Selecting and Filtering Results
- Preventing SQL Injection Attacks with Prepared Statements

Section 6

SQL: Insert
- The INSERT Statement
- Using phpMyAdmin
- Inserting Information from a Form

SQL: Update
- The UPDATE Statement
- Update Form
- Display Data in the Update Form
- Display Checkboxes

- Hidden Fields

SQL: Delete
- The DELETE Statement
- Deleting Rows from a Database
- Passing ID Variables in a URL

SQL: Search
- Wildcard Searches
- Searching with a Form