

# Introduction to PHP

## PHP Basics

- How PHP Works
- The php.ini File
- Basic PHP Syntax
- Variables
- First PHP Script
- PHP Operators
- Creating Dynamic Pages
- Passing Variables via the Query String

## Flow Control

- Conditional Processing
- Working with Conditions
- Loops
- Working with Loops

## Arrays

- Enumerated Arrays
- Working with Enumerated Arrays
- Associative Arrays
- Working with Associative Arrays
- Two-dimensional Arrays
- Array Manipulation Functions

## PHP and HTML Forms

- HTML Forms
- Processing Form Input

## String Manipulation

- Formatting Strings
- Working with String Manipulation Functions
- Magic Quotes

## Reusing Code and Writing Functions

- Including Files

- Adding a Header and Footer
- User Functions
- Form Processing
- Code Organization
- Form Validation and Presentation Functions

#### Managing Data

- Mysqli() Overview
- mysqli Methods and Properties
- Inserting and Updating Records
- mysqli Prepared Statements
- Inserting Records

#### MDB2

- Advantages and Disadvantages of MDB2
- Why use a database abstraction layer?
- When not to use a database abstraction layer?
- Using MDB2
- Creating a Customer Report

#### Authentication with PHP and SQL

- A database-less login form
- Authenticating Users

#### Regular Expressions

- Perl-compatible Regular Expression Functions
- preg\_match()
- preg\_replace()
- Regular Expression Syntax
- Form Validation Functions with Regular Expressions

#### Session Control and Cookies

- Sessions
- Configuring Sessions
- Session Functions
- Cookies

- Authentication with Session Control

#### Sending Email with PHP

- mail()
- Shortcomings of mail()
- PHPMailer
- Sending a Password by Email

#### File System Management

- Opening a File
- Reading from a File
- Writing to a File
- File Locking
- Uploading Files via an HTML Form
- Getting File Information
- More File Functions
- Directory Functions
- Getting a Directory Listing
- Creating a Resume Management Page