

Setting Up a Development Server

- What Is a WAMP, MAMP, or LAMP?
- Installing a WAMP on Windows
- Testing the InstallationAlternative WAMPs
- Installing a LAMP on Linux Working Remotely

Introduction to web programming

- Web Architecture
- Introduction to HTML
- HTML Basic
- HTML Elements
- HTML Attributes
- HTML Headings
- HTML Paragraphs
- HTML Formatting
- HTML CSS
- HTML Head
- HTML Links
- HTML Images
- HTML Tables
- HTML Lists
- HTML Blocks
- HTML Layouts
- HTML IFrames
- HTML Colors

Introduction to PHP

- Incorporating PHP Within HTML
- Calling the PHP Parser
- The Structure of PHP
- Using Comments
- Basic Syntax
- Understanding
- Variables
- Operators
- Variable Assignment
- Multiple-Line Commands
- Variable Typing
- Constants
- The Difference Between the echo and print Commands
- Functions
- Variable Scope

Expressions and Control Flow in PHP

- Expressions

Literals and Variables

Operators

Operator Precedence

Associativity

Relational Operators

Conditionals

The if Statement

The else Statement

The elseif Statement

The switch Statement

The ? Operator

Looping

while Loops

do...while Loops

for Loops

Breaking Out of a Loop

The continue Statement

Implicit and Explicit Casting

PHP Dynamic Linking

Dynamic Linking in Action

PHP Functions and Objects

PHP Functions

Defining a Function

Returning a Value

Returning an Array

Passing by Reference

Returning Global Variables

Recap of Variable Scope

Including and Requiring Files

The include Statement

Using include_once

Using require and require_once

PHP Version Compatibility

PHP Objects

Terminology

Declaring a Class

Creating an Object

Accessing Objects

Constructors

Writing Methods

Declaring Properties

Declaring Constants

Property and Method Scope in PHP 5

Inheritance

PHP Arrays

Basic Access

Numerically Indexed Arrays

Associative Arrays

Assignment Using the array Keyword

The foreach...as Loop

Multidimensional Arrays

Using Array Functions

is_array

count

sort

shuffle

explode

extract

compact

reset

end

Practical PHP

Using printf

Precision Setting

String Padding

Using sprintf

Date and Time Functions

Date Constants

Using checkdate

File Handling

Checking Whether a File Exists

Creating a File

Reading from Files

Copying Files

Moving a File

Deleting a File

Updating Files

Locking Files for Multiple Accesses

Reading an Entire File 147 Uploading Files

System Calls

XHTML

The Benefits of XHTML

XHTML Versions

What's Different?

HTML 4.01 Document Types

The HTML5 Document Type

XHTML 1.0 Document Types

XHTML Validation

Introduction to MySQL

MySQL Basics

Summary of Database Terms

Accessing MySQL via the Command Line

Starting the Command-Line Interface

Using the Command-Line Interface

MySQL Commands

Data Types

Indexes

Creating an Index

Querying a MySQL Database

Joining Tables Together

Using Logical Operators

MySQL Functions

Accessing MySQL via phpMyAdmin

The \$_POST Array

Deleting a Record

Displaying the Form

Querying the Database

Running the Program

Practical MySQL

Creating a Table

Describing a Table

Dropping a Table

Adding Data

Retrieving Data

Updating Data

Deleting Data

Using AUTO_INCREMENT

Performing Additional Queries

Preventing SQL Injection

Preventing HTML Injection

Form Handling

Building Forms

Retrieving Submitted Data

register_globals: An Old Solution Hangs On

Default Values

Input Types

Sanitizing Input

An Example Program

Cookies, Sessions, and Authentication

Using Cookies in PHP

Setting a Cookie

Accessing a Cookie

Destroying a Cookie

HTTP Authentication

Storing Usernames and Passwords

Salting

Using Sessions

Starting a Session

Ending a Session

Session Security

Exploring JavaScript

JavaScript and HTML Text

Using Scripts Within a Document Head

Older and Nonstandard Browsers

Including JavaScript Files

Debugging JavaScript Errors

Using Comments

Semicolons

Variables

String Variables

Numeric Variables

Arrays

Operators

Arithmetic Operators

Assignment Operators

Comparison Operators

Logical Operators

Variable Incrementing and Decrementing

String Concatenation

Escaping Characters

Variable Typing

Functions

Global Variables

Local Variables

The Document Object Model (DOM)

Using the DOM

Expressions and Control Flow in JavaScript

Expressions

- Literals and Variables
- Operators
- Operator Precedence
- Associativity
- Relational Operators
- The with Statement
- Using on error
- Using try...catch
- Conditionals
- The if Statement
- The switch statement
- The ? Operator
- Looping
- while Loops
- do...while Loops
- for Loops
- Breaking Out of a Loop
- The continue Statement
- Explicit Casting

JavaScript Functions, Objects, and Arrays

- JavaScript Functions
- Defining a Function
- Returning a Value
- Returning an Array
- JavaScript Objects
- Declaring a Class
- Creating an Object
- Accessing Objects
- The prototype Keyword
- JavaScript Arrays
- Numeric Arrays
- Associative Arrays
- Multidimensional Arrays
- Using Array Methods

JavaScript and PHP Validation and Error Handling

- Validating User Input with JavaScript
- The validate.html Document (Part One)
- The validate.html Document (Part Two)
- Regular Expressions
- Matching Through Meta characters
- Fuzzy Character Matching
- Grouping Through Parentheses

Character Classes

Some More Complicated Examples

Summary of Meta characters

General Modifiers

Using Regular Expressions in JavaScript

Using Regular Expressions in PHP

Redisplaying a Form After PHP Validation

Using Ajax

What Is Ajax?

Using XMLHttpRequest

Implementing Ajax via POST Requests

The readyState Property

The Server Half of the Ajax Process

Using GET Instead of POST

Sending XML Requests

About XML

Why Use XML?

Using Frameworks for Ajax

Introduction to CSS

Importing a Style Sheet

Importing a Style Sheet from Within HTML

Embedded Style Settings

Using IDs

Using Classes

CSS Rules

Using Semicolons

Multiple Assignments

Using Comments

Style Types

Default Styles

User Styles

External Style Sheets

Internal Styles

Inline Styles

CSS Selectors

The Type Selector

The Descendant Selector

The Child Selector

The Adjacent Sibling Selector

The ID Selector

The Class Selector

The Attribute Selector

The Universal Selector

Selecting by Group

The CSS Cascade

Style Sheet Creators

Style Sheet Methods

Style Sheet Selectors

The Difference Between `<div>` and ``

Measurements

Fonts and Typography

font-family

font-style

font-size

font-weight

Managing Text Styles

Decoration

Spacing

Alignment

Transformation

Indenting

CSS Colors

Short Color Strings

Gradients

Positioning Elements

Absolute Positioning

Relative Positioning

Fixed Positioning

Comparing Positioning Types

Shorthand Rules

The Box Model and Layout

Setting Margins

Applying Borders

Adjusting Padding

Object Contents

Advanced CSS with CSS3

Attribute Selectors

Matching Parts of Strings

The box-sizing Property

CSS3 Backgrounds

The background-clip Property

The background-origin Property

The background-size Property

Multiple Backgrounds

CSS3 Borders

The border-color Property

The border-radius Property

Box Shadows

Element Overflow

Multicolumn Layout

Colors and Opacity

HSL Colors

HSLA Colors

RGB Colors

RGBA Colors

The opacity Property

Text Effects

The text-shadow Property

The text-overflow Property

The word-wrap Property

Web Fonts

Google Web Fonts

Transformations

Transitions

Properties to Transition

Transition Duration

Transition Delay

Transition Timing

Shorthand Syntax

Accessing CSS from JavaScript

Revisiting the getElementById Function

The O Function

The S Function

The C Function

Including the Functions

Accessing CSS Properties from JavaScript

Some Common Properties

Other Properties

Inline JavaScript

The this Keyword

Attaching Events to Objects in a Script

Attaching to Other Events

Adding New Elements

Removing Elements

Alternatives to Adding and Removing Elements

Using Interrupts

Using setTimeout

Canceling a Timeout

Using setInterval

Using Interrupts for Animation

Bringing It All Together

Designing a Social Networking Site

On the Website

functions.php

The Functions

header.php

setup.php

index.php

signup.php

Checking for Username Availability

checkuser.php

login.php

profile.php

Adding the “About Me” Text

Adding a Profile Image

Processing the Image

Displaying the Current Profile

members.php

Viewing a User’s Profile

Adding and Dropping Friends

Listing All Members

friends.php

messages.php

logout.php

styles.css

ContactUs with Captcha and GD Library

Discuss about SEO Fundamental Concepts

Discuss about Security in PHP 6

Discuss about structure of news websites , e-shops , automatic download websites

Setup a real payment gateway for your website or weblog

Thanks for your attentions

Morteza Saheb