

PHP Training: The Most Comprehensive Course

Introduction to PHP Training

Learning the Basics of PHP

Why Use PHP?

Structure of a PHP Page

Embedding PHP Code in an HTML Document

Variable Types

Declaring and Using Arrays

Constants

Operators

Loops and Conditional Statements

Superglobal Variables

Retrieving Form Data

Sending Emails

Hands-on Workshop: *Review of core HTML tags and styling commands, setting up a template page*

Creating Functions and Using Built-in Functions

Declaring Functions

Parameters and the Return Statement

Creating Function Libraries

Built-in Functions: Examples, Organization, Documentation

Functions for Dates, Arrays, and Strings

Include and Require Functions

Hands-on Workshop: *Creating custom functions and using built-in functions*

Processing Form Data

Creating a Form

Retrieving Form Data

File Uploads: The \$_FILES Variable and Related Functions

Sending Emails

Hands-on Workshop: *Building a job application form*

Interacting with Users

Retrieving and Using GET Parameters

Using Cookies to Store Information

File Uploads: The `$_FILES` Variable and Related Functions
Sending Emails

Hands-on Workshop: *Building a job application form*

phpMyAdmin

Overview of phpMyAdmin
Creating a Database with phpMyAdmin
Creating Tables and Exploring Field Types
Modifying Table Structure

Hands-on Workshop: *Creating a MySQL database and tables*

SQL

Selecting Records (SELECT)
Inserting Records (INSERT INTO)
Updating Records (UPDATE)
Deleting Records (DELETE)
Operators and Conditions

Hands-on Workshop: *Writing basic SQL queries*

Using a MySQL Database with PHP

Overview of Database Management Systems
Data Types
Connecting to a MySQL Server
Populating the Database from a Form
Inserting Data into the Database with PHP
Updating Data with PHP
Deleting Data with PHP
Securing Data Before Sending to MySQL

Hands-on Workshop: *Storing job application form data in the database*

Cookies & Sessions

Session Overview
Advantages and Disadvantages of Cookies and Sessions
Storing and Retrieving Session Variables
Storing and Retrieving Cookie Variables

Hands-on Workshop: *Building a simple shopping cart and user interface*

Working with Files

Opening and Writing Files

SQL: Advanced Concepts

Tables and Relationships

Joins: INNER, LEFT, and RIGHT JOIN

Hands-on Workshop: *Writing SQL queries across multiple tables*

Building a Mini CMS

CMS Concepts

Existing CMS Platforms

Introduction to Data Modeling

Creating the Public Interface

Creating the Admin Interface

User Management

Hands-on Workshop: *Library management application*

XML

Overview of the XML Format

Writing an XML Document

Introduction to XML

Hands-on Workshop: *Creating an RSS feed and generating a sitemap for the library project*