



PHP 101b: Intermediate PHP & MySQL

PHP is the most popular Server Scripting language. It is used to drive many of the largest web sites in the world, and is used to produce dynamic web sites, often driven by a database such as MySQL

MySQL is the most popular open source database, though by no means the only one. It is also behind many of the largest content-based web sites in the world.

This course covers the more advanced techniques of writing scripts in PHP. It uses modern, best practices, and encourages readable and maintainable code. It also covers the basics of working with a database. Although MySQL is used throughout the course, the material will allow you to easily switch to any of the other popular databases such as PostGreSQL and SQLite.

The PHP techniques covered include:

- Writing Scripts
- Including Files
- Processing Form Data
- Data Calculations
- Working with Images
- Cookies & Sessions
- Working with Database
- File Handling
- Security

At all times, the student is encouraged to follow good design and writing principles, and the examples and exercises are clear and written in a way to facilitate further development.

Throughout the book are summary sections which explain key PHP concepts, and can be used later as a reference.

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Course Outline

Module 1: Forms & Email

- The Contact Form
- Form Validation
- Planning for Validation
- Checking Required Fields
- Checking an Email Address
- Handling the Error
- Persisting Fields
- Sending the Email
- Redirecting to Another Page

Module 2: Library and Configuration Files

- Configuration File
- Function Library
- Classes and Objects as Containers of Functions & Data

Module 3: Thumbnails

- Creating Thumbnails
- The makeThumbnail Function
- Loading the Original
- Saving an Image File
- Generating the Thumbnail
- The Upload Page
- Differently Shaped Thumbnails
- The Image Gallery

Module 4: Sessions & Logging In

- Sessions
- Logging In
- The Admin Page
- The User Table
- Preliminaries
- Checking Login
- Start (& Continue) a Session
- Session Data
- Restricted Area
- Logging Out

Module 5: Using Cookies

- Using Cookies to Remember the Page

Module 6: Managing Images

- The Image List
- Displaying the Image Items
- dummy
- Finishing the Page
- The Image Editing Page
- Editing Data
- Deleting Data

Module 7: Content Management

- Blog Table
- Pages
- The Editing Page
- Checking the Submitted Data
- Inserting Articles
- Listing Articles & Selecting
- Deleting Articles
- Display Articles