goskills

Introduction to PHP

GoSkills online course syllabus

Wednesday, April 16, 2025

Skill level
Beginner

Lessons
40

Accredited by
CPD

Pre-requisites
None

Video duration
2h 40m

Estimated study time
20h for all materials

Instructor
John Elder

Introduction - Setting Up a Development Environment

1 Course Introduction
What to expect from this course.

2 How Does PHP Work?
Understanding the Fundamentals of PHP and the client/server relationship.

3 Setting up a Local Development Environment with XAMPP
How to code PHP on your local computer.

4 Sublime Text Editor Development Tool
Download and install Sublime Text, and create your development environment.

5 Version Control with Git
Setting up Version Control in our cloud development environment.

6 Using Github.com to Backup our Code
How to backup your code and version control with Github.com

7 Using Heroku for Production
Set up a free Heroku.com account to push production code.

PHP Programming Basics

8 Variables

Understanding Variables in PHP.

9 Data Types

Learn the different data types for PHP, including String, Integer, Float, and Boolean.

10 Arithmetic Operators

Learn how to do math in PHP.

11 Assignment Operators

How to assign things in PHP.

12 Comparison Operators

Comparing two or more things is easy with comparison operators.

13 Increment Operators

Sometimes you can't bother with math - use increment operators instead.

14 Logic Operators

Logic sits at the core of all computer programming. Understanding logic operators in PHP.

15 String Operators

Understanding concatenation and concatenating assignment operators.

16 Conditional Statements

Learn how to use if/else/elseif statements to test against conditions.

17 Switch

How to switch between different cases.

18 While Loops

How to use the While loop.

19 For Loops

How to use For Loops.

20 Let's Build FizzBuzz!

FizzBuzz! is a popular interview quiz question. Let's build it!

21 Arrays
Understanding basic Arrays.

22 Sorting Arrays
Learn how to Sort Arrays the quick and easy way.

23 Functions
How to create and use functions in PHP.

24 Random Numbers and Dates
Automatically generate random numbers and dates.

25 String Manipulation
Fun with string manipulation!

26 Include Function
How to include things from other files in your PHP program.

27 Require Function
Similar to "Include", but used for a slightly different reason.

28 Form Handling - GET vs POST
How to process HTML Forms with PHP.

29 Superglobals
What are Superglobals, and how do you use them?

30 Cookies
Creating and issuing Cookies to your website visitors.

31 Sessions
Passing information between pages with Sessions.

Building a Math Flashcard App

32 Flashcard App Introduction and Setup
Let's build a cool math flashcard app!

33 Creating the Index Page and Form

Let's create the main skeleton of our Flashcard App.

34 Making the Form Work

Let's build out the form to make it work.

35 Right and Wrong Logic

Let's write some code to determine if the answer is right or wrong.

36 Build out the Other Math Pages

Addition works, now let's build pages for Subtraction, Multiplication, and Division.

Templating Out a Website

37 Understanding the Templating Concept

Understanding how Wordpress uses Templates and how we can do the same thing.

38 Templating Links and Headers

Let's build out a template for our Header and links.

39 Templating with Require

How to use Require to template things.

40 Finishing Up

Let's do a few odds and ends to finish up.

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