

# Introduction to PHP

GoSkills online course syllabus

Friday, May 17, 2024

**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

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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

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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

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- 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

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## 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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