

# Introduction to PHP

GoSkills online course syllabus

Monday, August 10, 2020

**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

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## 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.

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## 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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