

RESOURCES FOR PHP PROGRAMMING

What is PHP?

- ➔ Server side programming language
- ➔ Used to create dynamic websites that can take input.

How is PHP different from HTML?

Difference Between HTML and PHP ?

HTML means Hypertext Markup Language & it is called front-end.
PHP means Hypertext Pre-processor & php is server-side scripting language.
it is called back-end.

HTML can create web pages that are only static.
PHP can design dynamic web pages.

In HTML, browser cannot interpret the code.
The output of PHP is html code which the browser can interpret.

HTML does not involve php.
PHP includes both php & html code.

How to setup a PHP development environment

Step 1: Install a web server -> most common one is XAMPP for windows and MAMP for Mac but in our case we will be using Cheshire and will have to download php and MySQL in it if it is not included in the package

Step 2: Install php:

Windows: <https://windows.php.net/download/>

Mac: Put this code in terminal if not preinstalled: `brew install php`

Step 3: Configure php, create development folder and start the web server

Step 4: Test setup – This can be done by creating simple php file in the development folder and opening the web browser to confirm php is installed and running

Step 5: Install IDE – VS Code probably. Other options are PhpStorm and Sublime Text

Step 6: Start developing

Reminder: we will have to connect this development environment with GitHub by installing a repo and then configuring the web server by setting up a virtual host.

Resources for frontend development using PHP

1. PHP Official documentation: <https://www.php.net/manual/en/index.php>
2. PHP Tutorials and exercises: <https://www.w3schools.com/php/>
3. PHP Code Style guide: <https://www.php-fig.org/psr/psr-1/>
(<https://phptherightway.com/>)
4. Code academy course: <https://www.codecademy.com/learn/paths/php-skill>
5. Stack overflow and Reddit
6. YouTube tutorials
7. ChatGPT – you can use it to convert/embed php into html if you have more knowledge of html code

Helpful articles to read:

1. <https://kim-jangwook.medium.com/learning-about-php-coding-style-fded9ac77ef9>
2. <https://faun.pub/php-coding-standard-tools-and-configuration-705233b672b>
3. <https://leeddev.medium.com/best-text-editors-for-professional-php-coding-eba4cc048b96>

Helpful Youtube videos:

1. Php playlist: <https://youtube.com/playlist?list=PLEiEAq2VkUUIjP-QLfvlCa1TvqTLFvn1b&si=XF1kVKQDrX2p0c2a>
2. How to create login page: <https://youtu.be/JDn6OAMnJwQ?si=qwqzMzxcCtZrcpZ1>

There are youtube videos for literally everything on php.