

Laboratory Activity

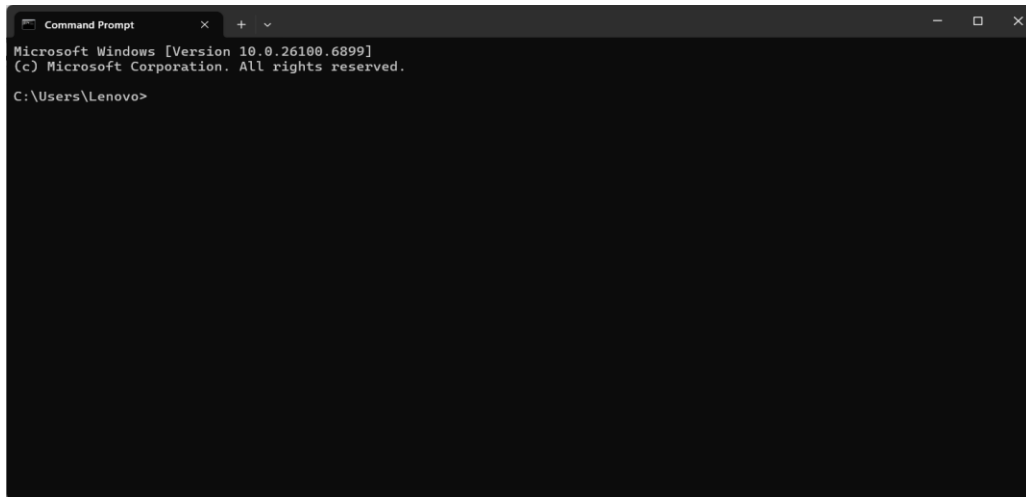
Web Systems and Technology

Midterm

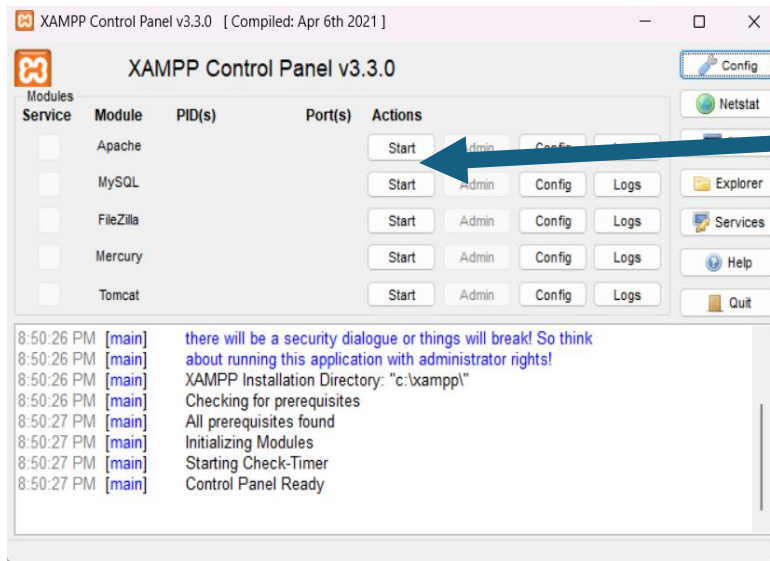
Procedure:

Note: Insert/paste all your screenshots/output inside this document. Then upload it to your github. This is a separate filename : Activity 2- 10/28 , and then send to me the link.

- Open your individual unit and check your current PHP version using the command prompt see sample image below : Write the command in the black provided (below)

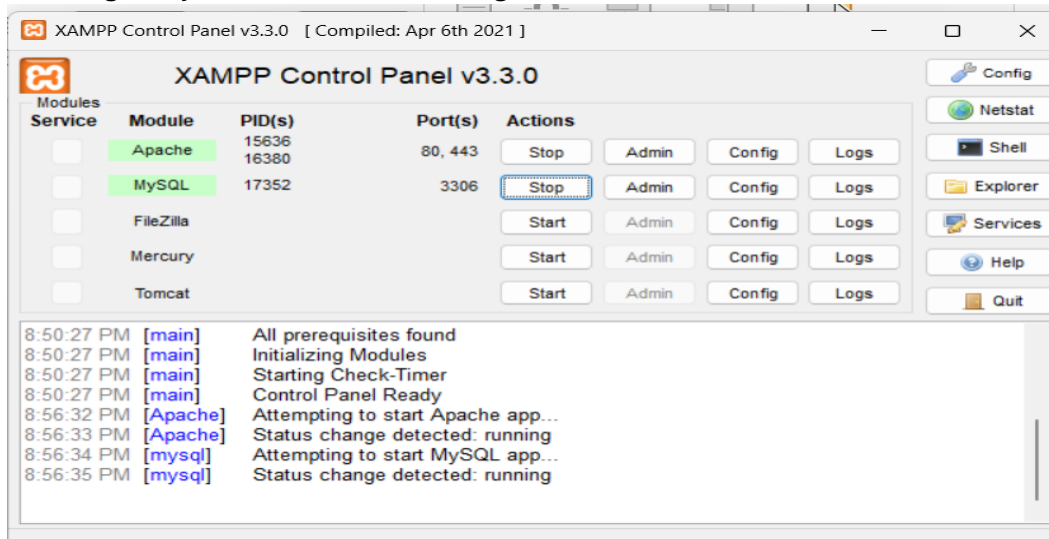


-
- Then open the XAMPP control panel (see image)



Make sure to click the Start button to open the Apache and MySQL

- Once it green your server is now running

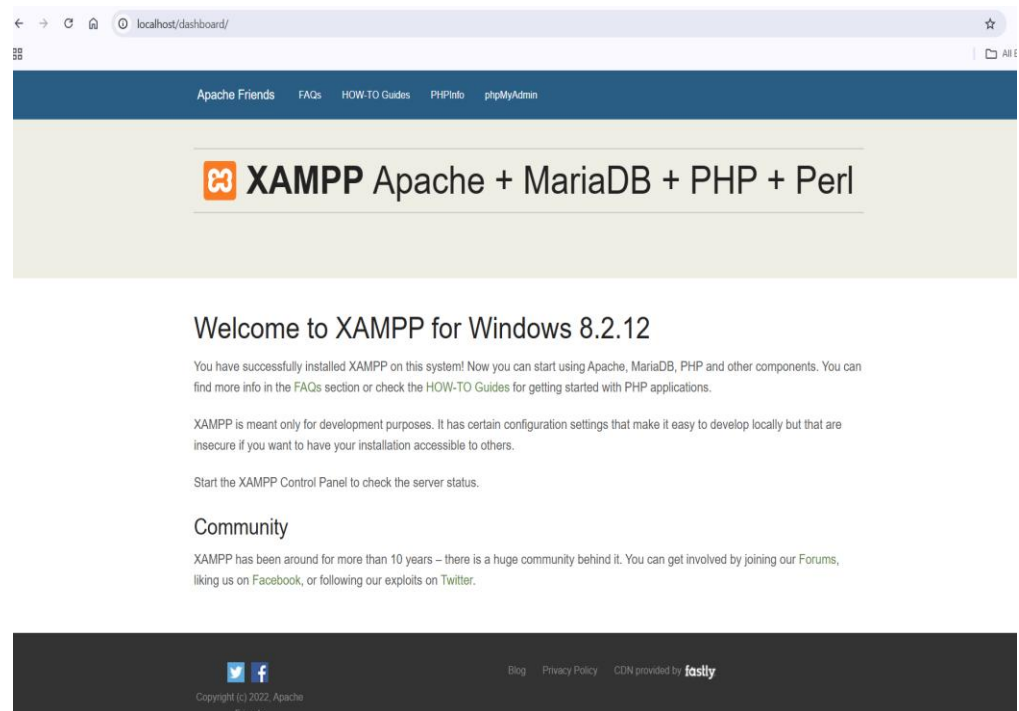


- Make sure to check the ports of Apache and MySQL as follows

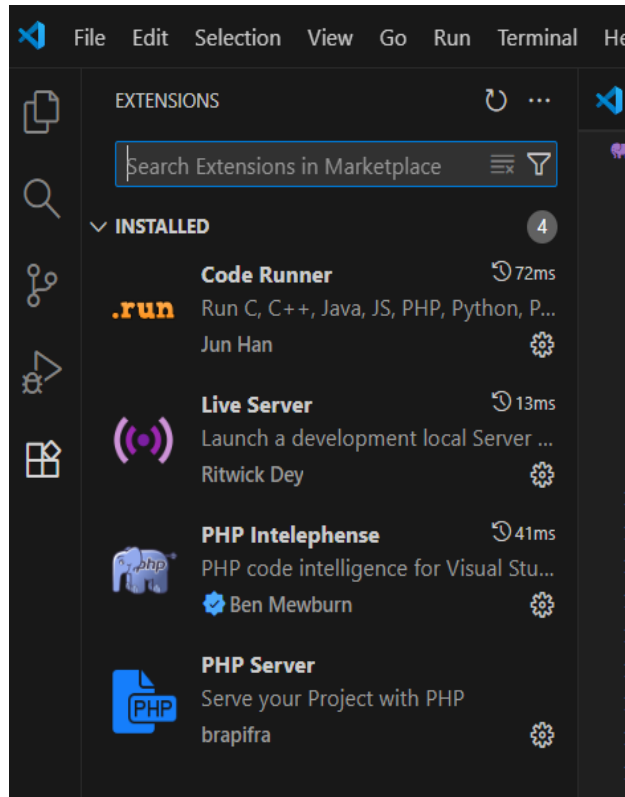
Module	PID(s)	Port(s)
Apache	26368 3028	80, 443
MySQL	25340	3306

- Your now ready to test your server
- Access the XAMPP dashboard in a browser
 - Open your preferred web browser and type `http://localhost` into the address bar and press **Enter**.

- If XAMPP is working correctly, you will see the XAMPP welcome page, which confirms the Apache web server is running.



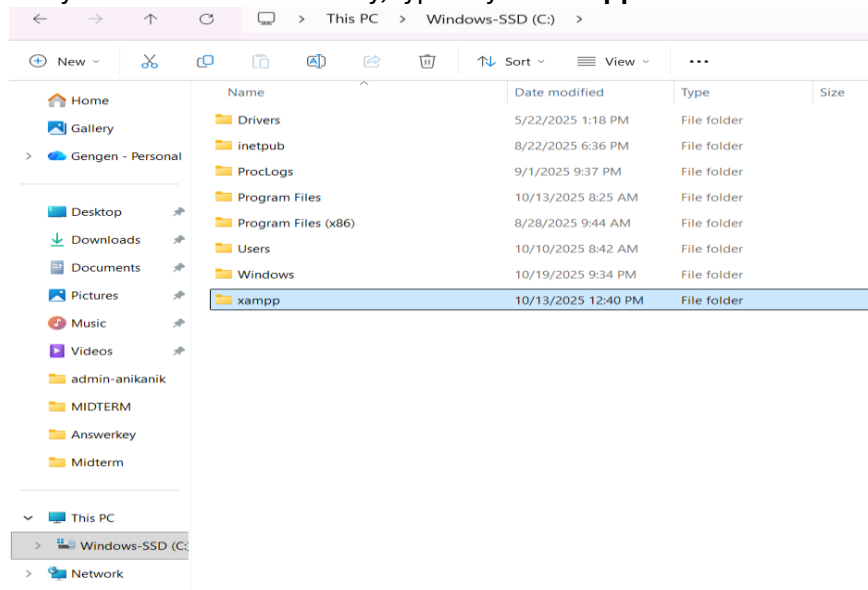
- Alternatively, you can type `http://127.0.0.1` to get the same result.
- Next, open your VS code app if the following Extension are available and properly installed
 - PHP server
 - Live server
 - PHP intelephense



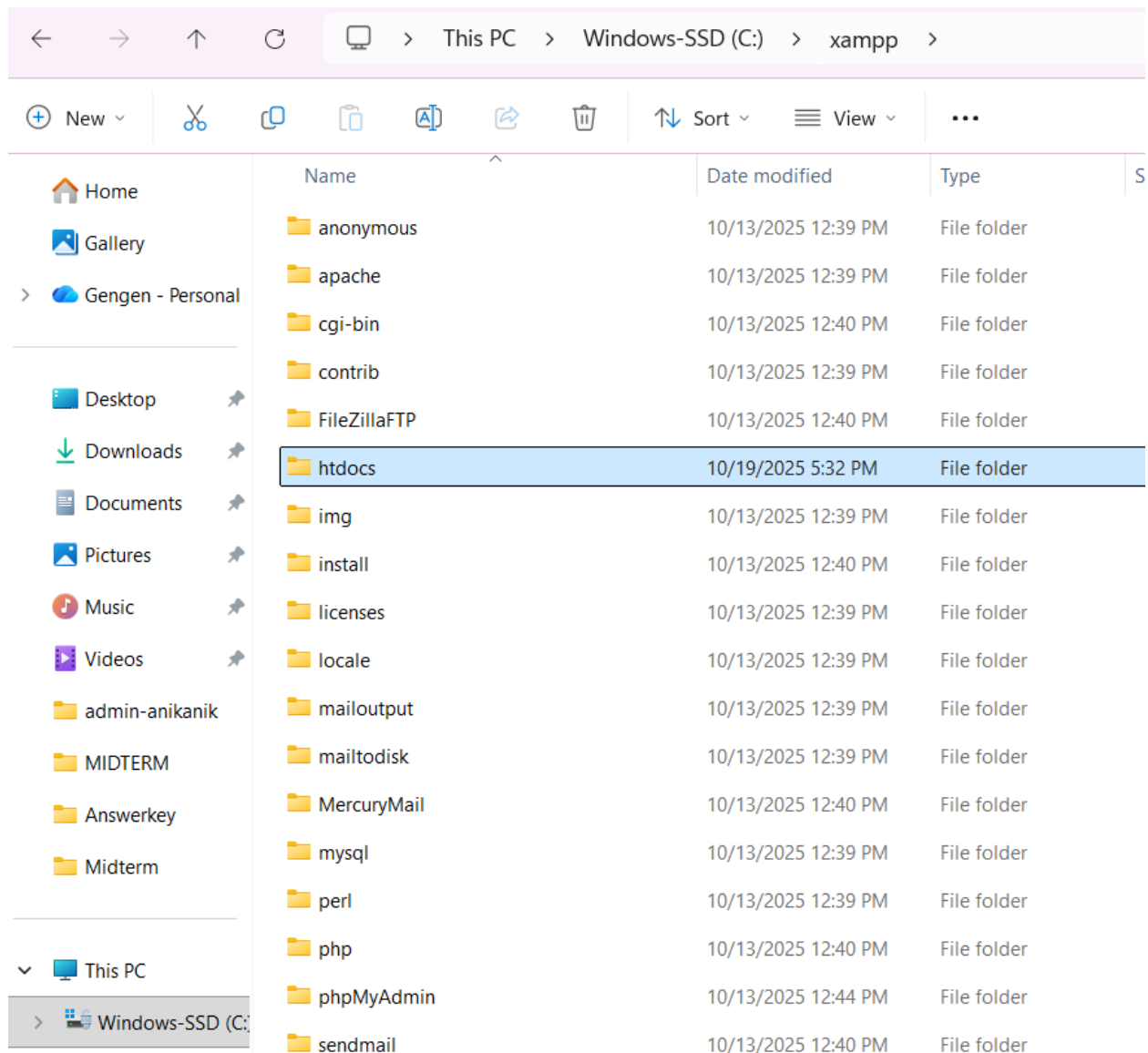
- Once installed start your first PHP code

First thing first create a folder inside your XAMPP

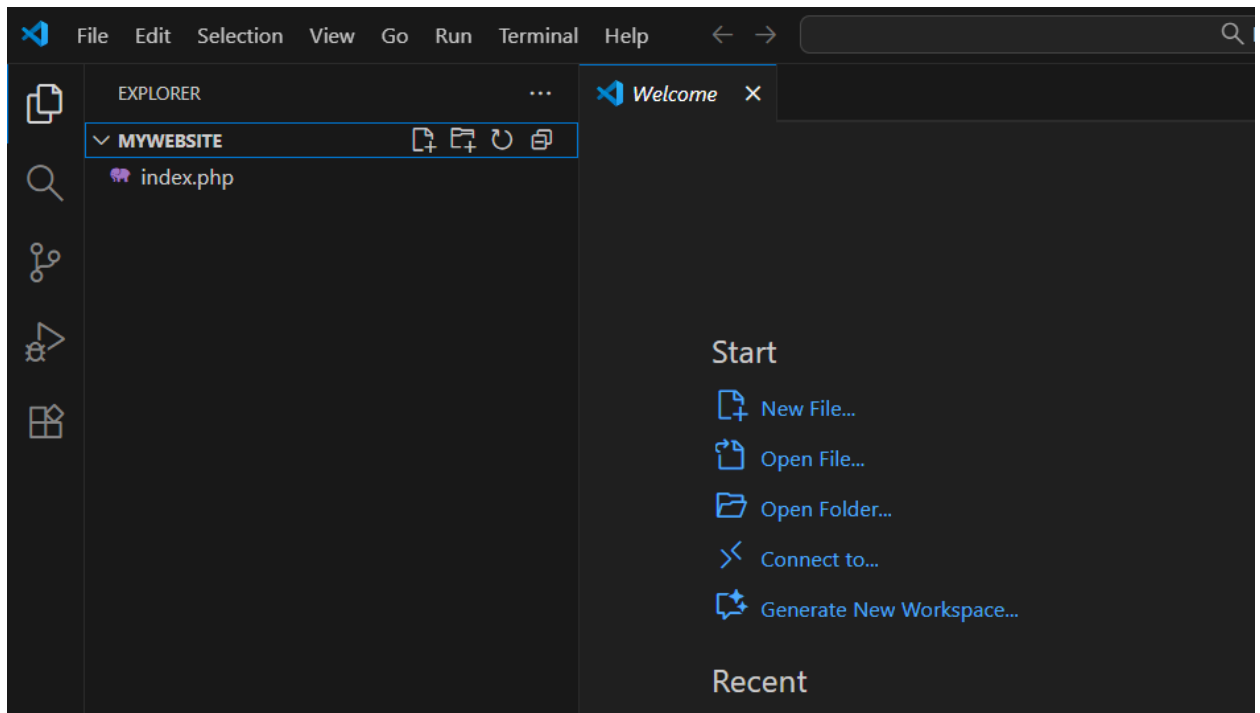
- **Locate your root folder.** Open the XAMPP Control Panel and click the **Explorer** button to navigate to your installation directory, typically **C:\xampp** on Windows.



- **Find htdocs.** Open the htdocs folder. This is the root directory for all your web projects.



- **Create a project folder.** Create a new folder inside htdocs for your project (e.g., C:\xampp\htdocs\MyWebsite(any name you set)).
- **After creating the Filename inside htdocs, open your VS CODE app then**
- **Then locate this folder as show in the image below**



- **Save your projects**
 - you need to save your files in the correct directory.
- Create at least one sample code using the following.
 - Concatenate String

```
<!DOCTYPE html>
<html>
<body>

<?php
$x = "Hi";
$y = "How are you";
$z = $x . $y;
echo $z;
?>

</body>
</html>
```

- Math Functions
- Loops
- Constants
- PHP Superglobals
- Sample Form Handling

```
<!DOCTYPE HTML>
<html>
<body>

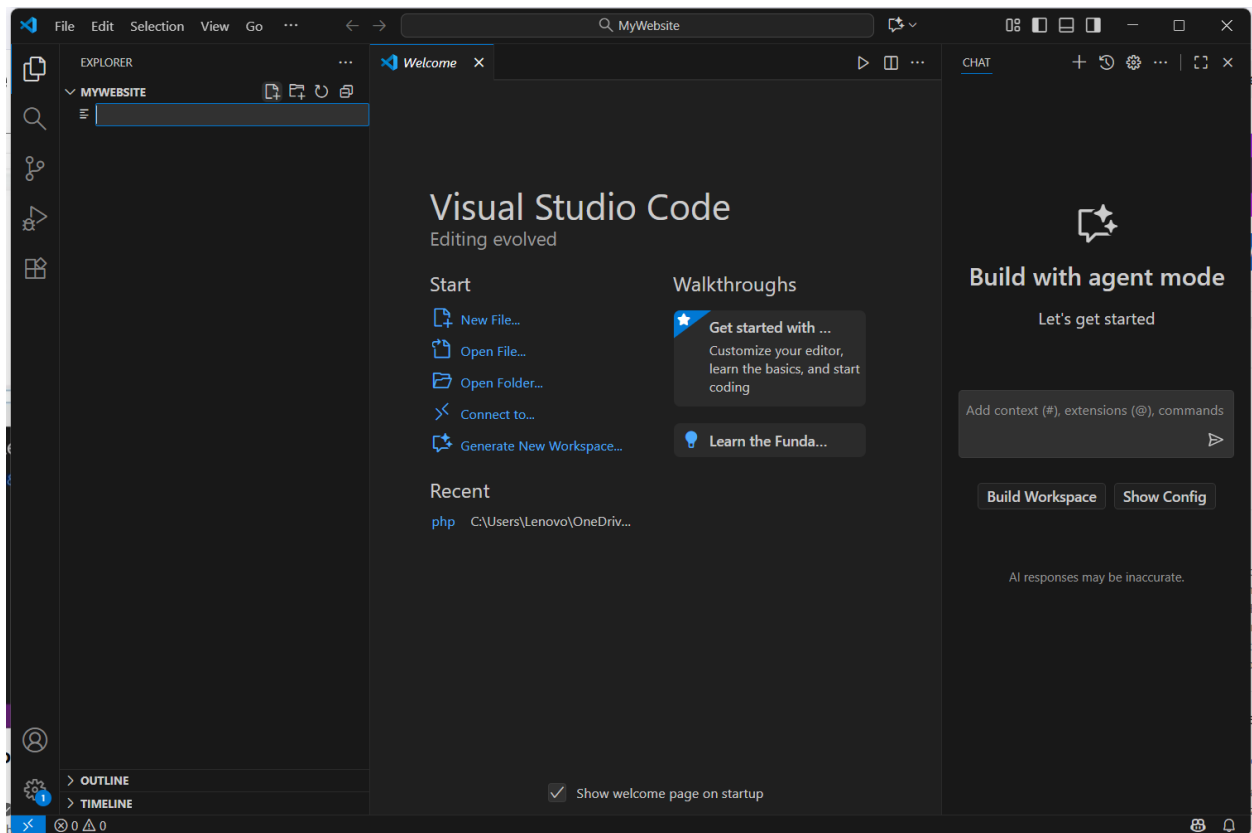
<form action="welcome.php" method="post">
Name: <input type="text" name="name"><br>
E-mail: <input type="text" name="email"><br>
<input type="submit">
</form>

</body>
</html>
```

Note: Don't forget to save your sample with PHP extension (e.g index.php)

- Display an output for each sample
- **Access your project.** To view your website, go to your browser then type <http://localhost/MyWebsite> (or the name you set) . If you created a specific file, such as index.php, you would visit <http://localhost/MyWebsite/index.php> (or the filename you saved)





SCREENSHOTS:

The image shows two windows from a Windows operating system. The top window is a Command Prompt titled 'Command Prompt' with a dark background. It displays the Windows version (10.0.26100.6584) and the user's command to run 'php -v', which outputs the PHP version (8.4.13) and Zend Engine version (v4.4.13). The bottom window is the XAMPP Control Panel v3.3.0. It features a table of modules and a log window at the bottom.

Command Prompt Output:

```
Microsoft Windows [Version 10.0.26100.6584]
(c) Microsoft Corporation. All rights reserved.

C:\Users\patri>php -v
PHP 8.4.13 (cli) (built: Sep 23 2025 14:36:54) (ZTS Visual C++ 2022 x64)
Copyright (c) The PHP Group
Zend Engine v4.4.13, Copyright (c) Zend Technologies

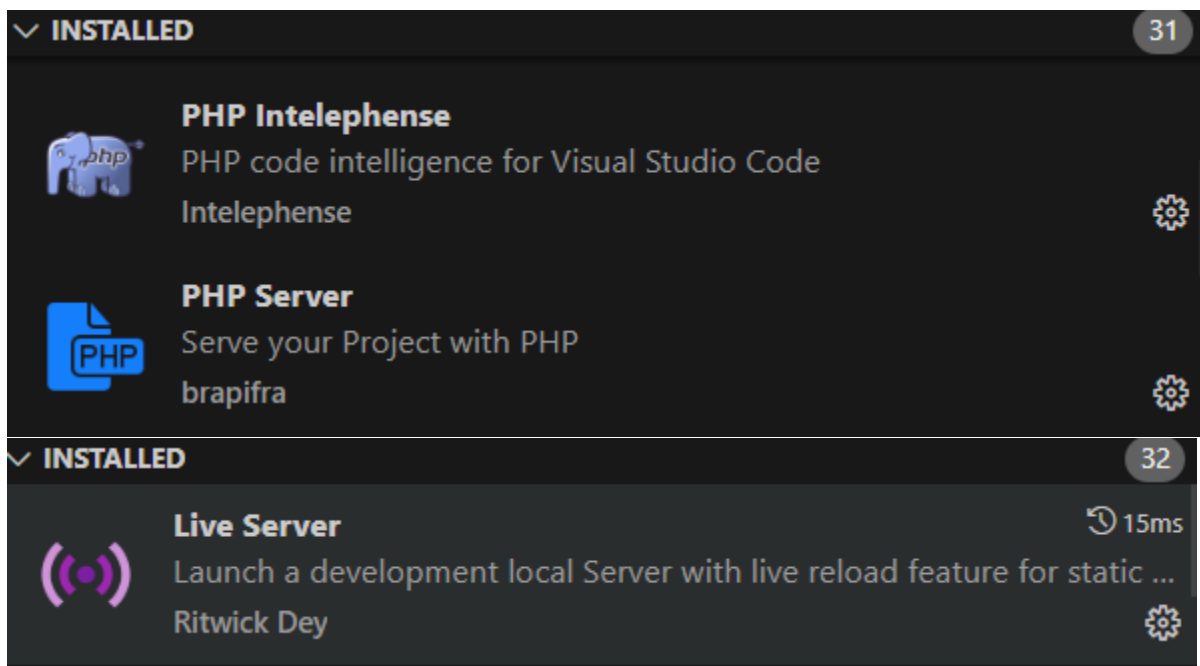
C:\Users\patri>
```

XAMPP Control Panel v3.3.0

Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache	32736 22968	80, 443	Stop Admin Config Logs
<input type="checkbox"/>	MySQL	20712	3306	Stop Admin Config Logs
<input type="checkbox"/>	FileZilla			Start Admin Config Logs
<input type="checkbox"/>	Mercury			Start Admin Config Logs
<input type="checkbox"/>	Tomcat			Start Admin Config Logs

Log Window:

```
11:59:57 am [mysql] This may be due to a blocked port, missing dependencies,
11:59:57 am [mysql] improper privileges, a crash, or a shutdown by another method.
11:59:57 am [mysql] Press the Logs button to view error logs and check
11:59:57 am [mysql] the Windows Event Viewer for more clues
11:59:57 am [mysql] If you need more help, copy and post this
11:59:57 am [mysql] entire log window on the forums
12:03:25 pm [mysql] Attempting to start MySQL app...
12:03:26 pm [mysql] Status change detected: running
```



Windows-SSD (C:) > xampp

Name	Date modified	Type	Size
anonymous	14/10/2025 5:32 pm	File folder	
apache	14/10/2025 5:32 pm	File folder	
cgi-bin	14/10/2025 5:36 pm	File folder	
contrib	14/10/2025 5:32 pm	File folder	
FileZillaFTP	14/10/2025 5:36 pm	File folder	
htdocs	14/10/2025 5:32 pm	File folder	
img	14/10/2025 5:32 pm	File folder	
install	14/10/2025 5:36 pm	File folder	
licenses	14/10/2025 5:32 pm	File folder	
locale	14/10/2025 5:32 pm	File folder	
mailoutput	14/10/2025 5:32 pm	File folder	
mailtodisk	14/10/2025 5:32 pm	File folder	
MercuryMail	14/10/2025 5:36 pm	File folder	
mysql	14/10/2025 5:32 pm	File folder	
perl	14/10/2025 5:33 pm	File folder	

File Edit Selection View Go Run Terminal Help

MyWebsite

EXPLORERWelcomeindex.php

MYWE...index.php

1generate code (Ctrl+I), or select a language (Ctrl+K M). Start typing to dismiss or don't show this again.

CHAT

Build with agent mode

AI responses may be inaccurate.
Generate Agent Instructions to onboard AI onto your codebase.

index.php +

Add context (#), extensions (@), comma

Unable to find a Git executable. Either: Set the Visual Studio Code Sett...

Ln 1, Col 1Spaces: 4UTF-8CRLF()PHPGo LiveGo Live

```
Welcome index.php X
index.php > html > body > form
1  <!DOCTYPE html>
2  <html>
3  <body>
4      <?php
5          $x = "Hi";
6          $y = "How are you";
7          $z = $x . " " . $y;
8          echo $z;
9      ?>
10
11     <?php
12         $number = 25;
13         echo "Square root of $number is: " . sqrt($number);
14     ?>
15
16     <?php
17         for ($i = 1; $i <= 5; $i++) {
18             echo "Number: $i <br>";
19         }
20     ?>
21
22     <?php
23         define("GREETING", "Welcome to PHP!");
24         echo GREETING;
25     ?>
26
27     <?php
28         echo "Server Name: " . $_SERVER['SERVER_NAME'];
29     ?>
30
31     <form action="welcome.php" method="post">
32         Name: <input type="text" name="name"><br>
33         Email: <input type="text" name="email"><br>
34         <input type="submit">
35     </form>
36 </body>
37 </html>
```