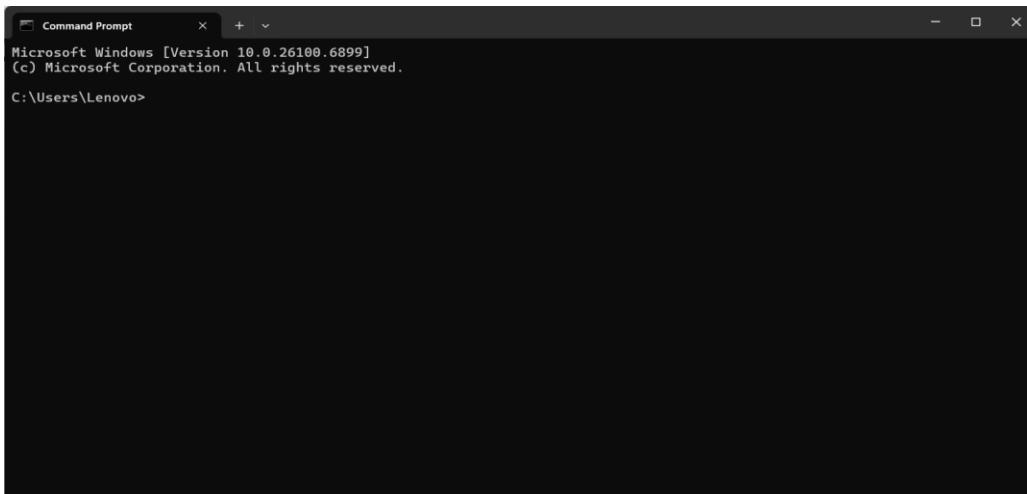


Eleuterio, Ezekiel B.
2023-1-00315
C334_IT

Laboratory Activity Web Systems and Technology Midterm

Procedure:

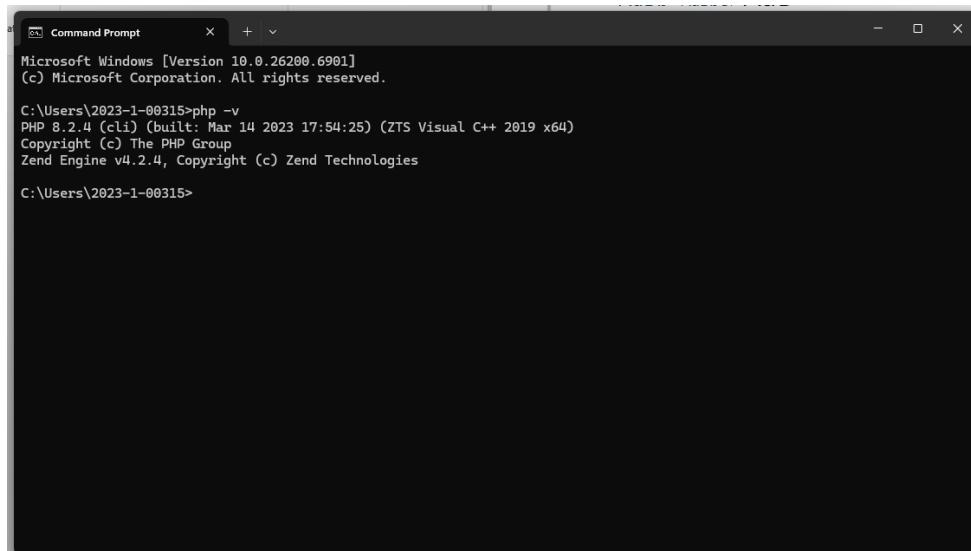
- Open your individual unit and check your current PHP version using the command prompt see sample image below : Write the command in the black provided



```
Microsoft Windows [Version 10.0.26100.6899]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Lenovo>
```

Answer:

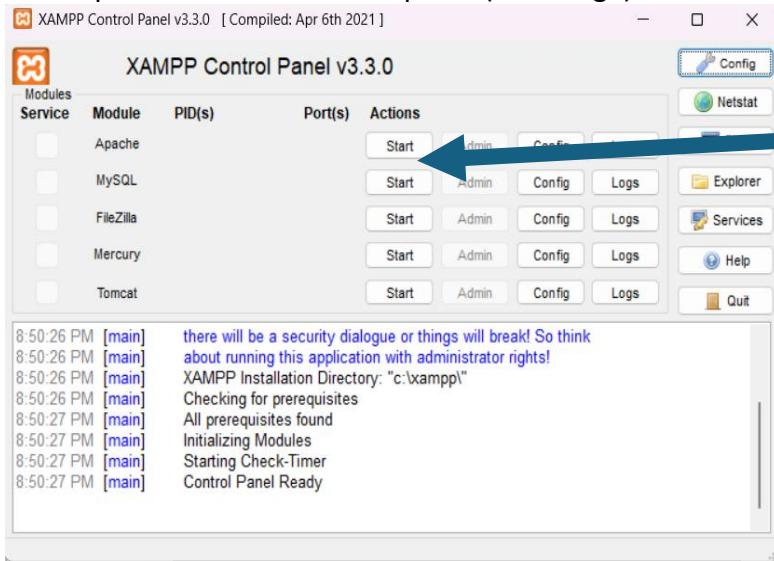


```
Microsoft Windows [Version 10.0.26200.6901]
(c) Microsoft Corporation. All rights reserved.

C:\Users\2023-1-00315>php -v
PHP 8.2.4 (cli) (built: Mar 14 2023 17:54:25) (ZTS Visual C++ 2019 x64)
Copyright (c) The PHP Group
Zend Engine v4.2.4, Copyright (c) Zend Technologies

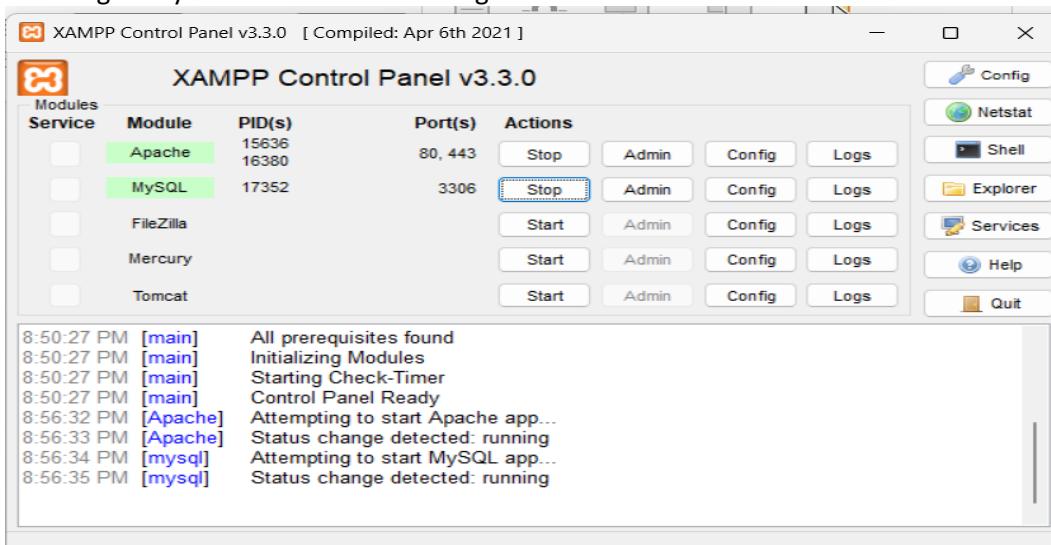
C:\Users\2023-1-00315>
```

- 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

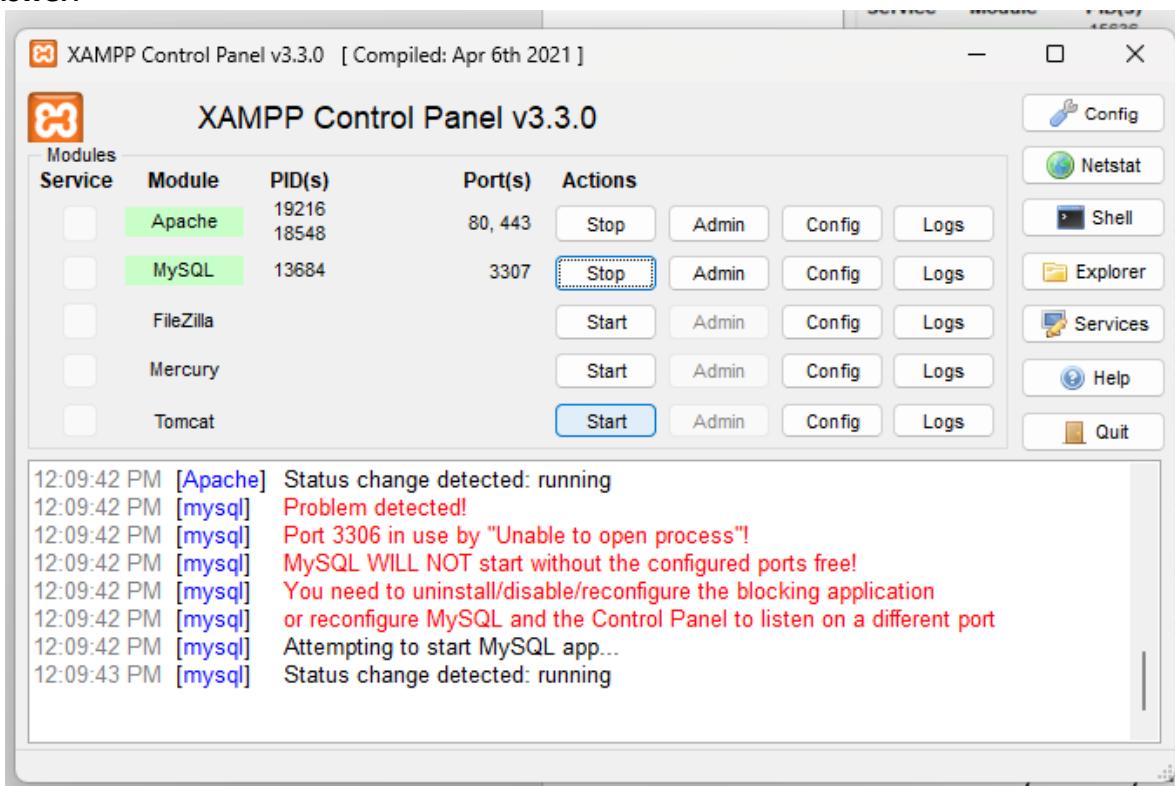


- Make sure to check the ports of Apache and MySQL as follows

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

Answer:



- 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.



Welcome to XAMPP for Windows 8.2.12

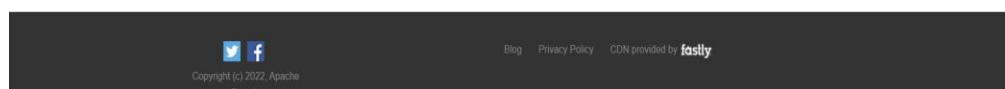
You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can find more info in the FAQs section or check the HOW-TO Guides for getting started with PHP applications.

XAMPP is meant only for development purposes. It has certain configuration settings that make it easy to develop locally but that are insecure if you want to have your installation accessible to others.

Start the XAMPP Control Panel to check the server status.

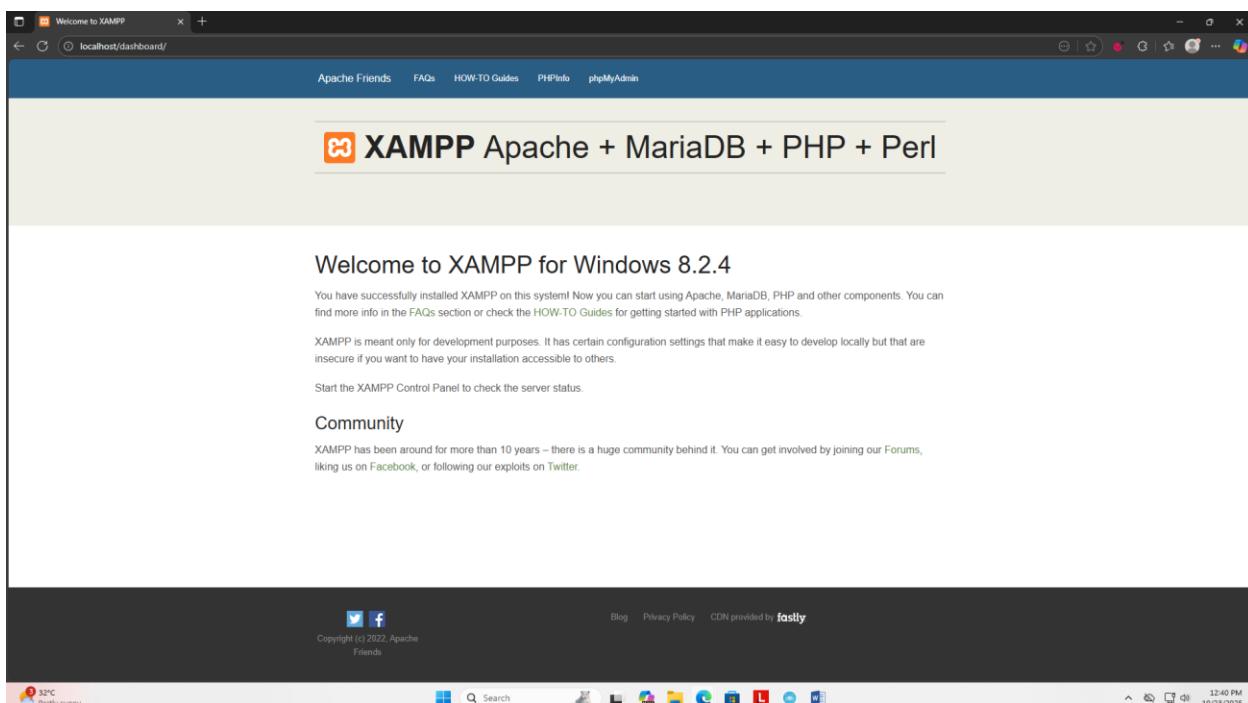
Community

XAMPP has been around for more than 10 years – there is a huge community behind it. You can get involved by joining our Forums, liking us on Facebook, or following our exploits on Twitter.



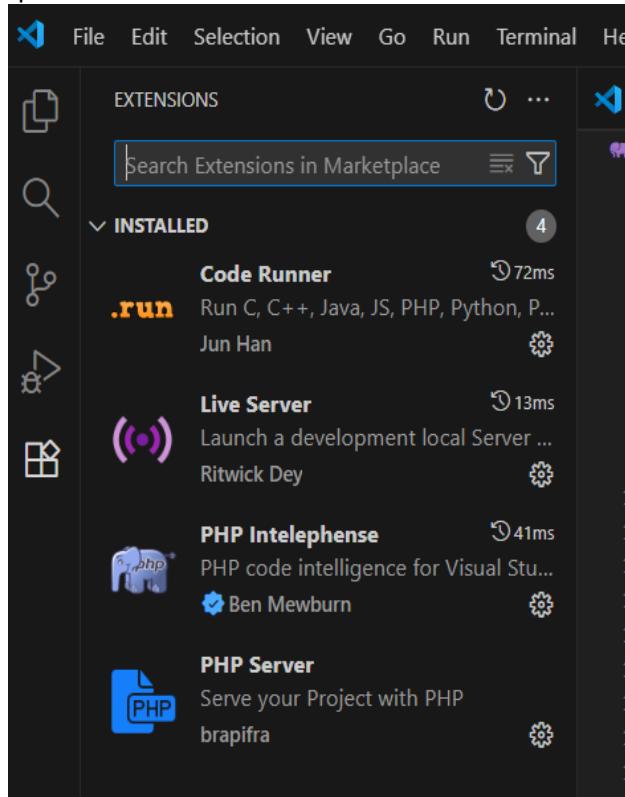
- Alternatively, you can type `http://127.0.0.1` to get the same result.

Answer:



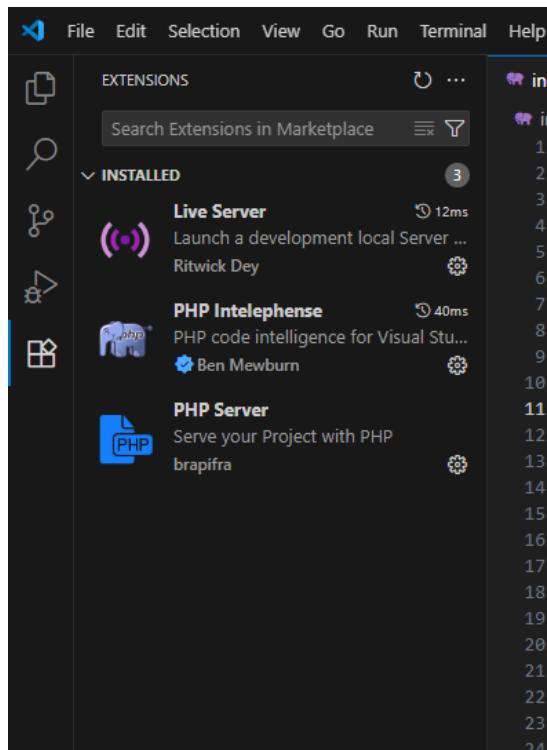
- Next, open your VS code app if the following Extension are available and properly installed
 - PHP server

- Live server
- PHP intelephense



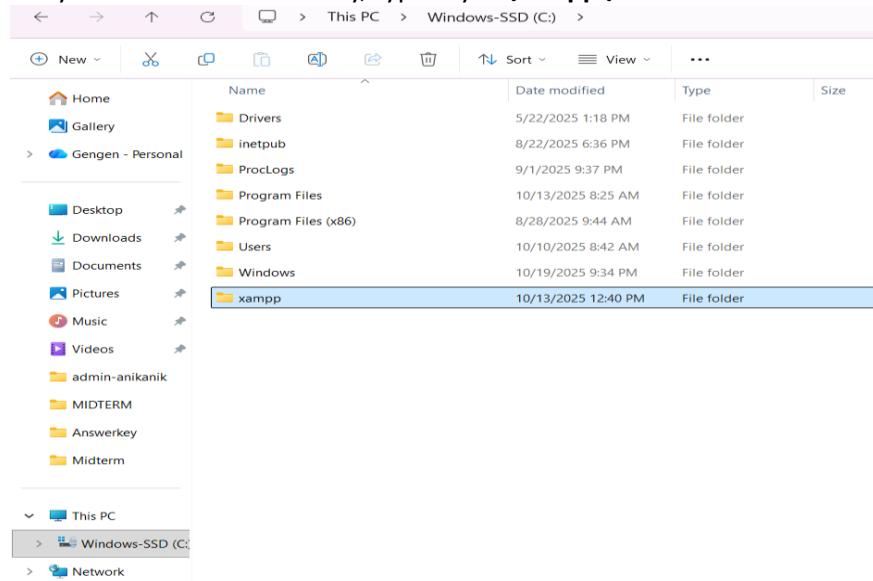
- Once installed start your first PHP code

Answer:

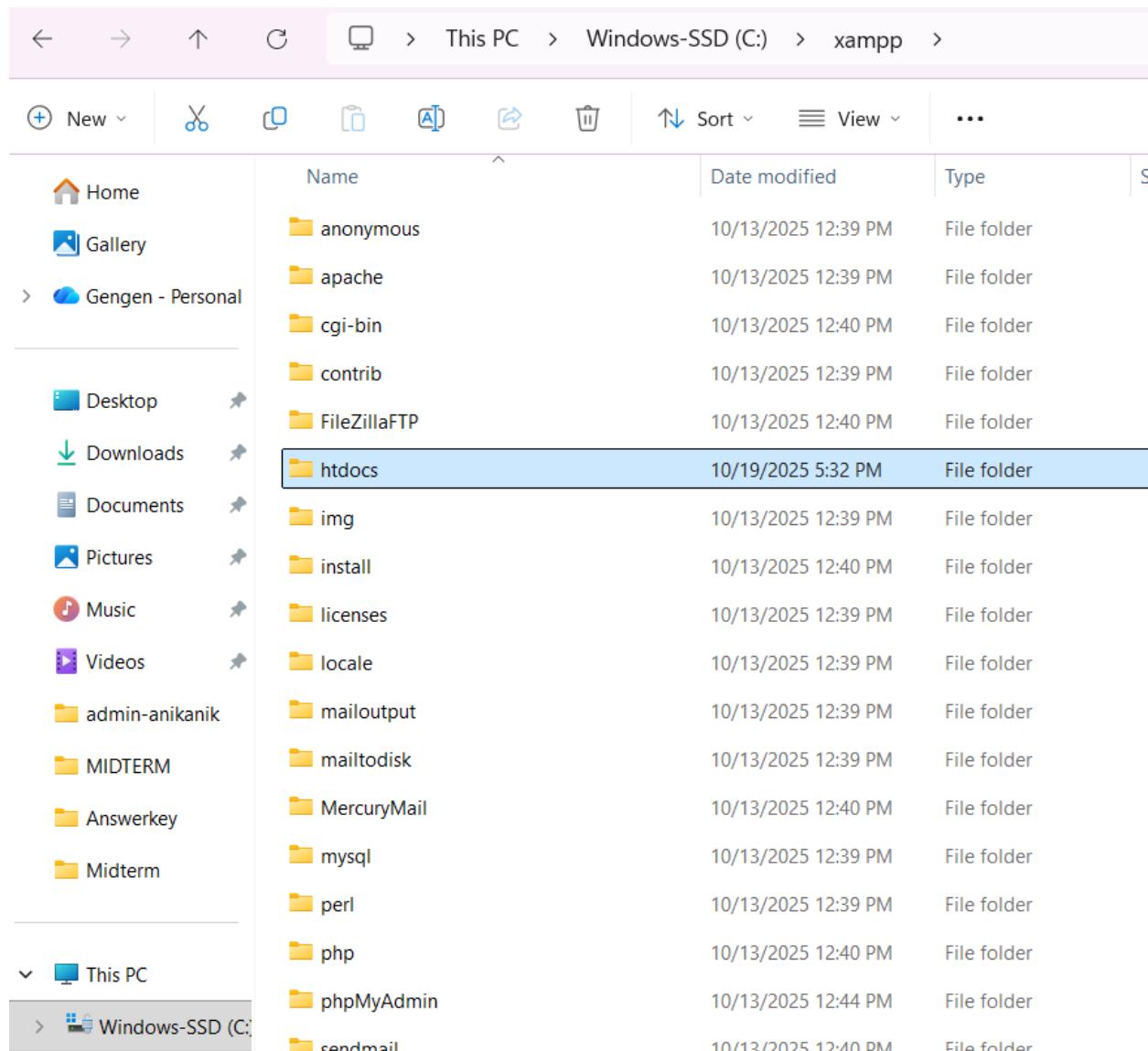


First thing first create a folder inside your XAMPP

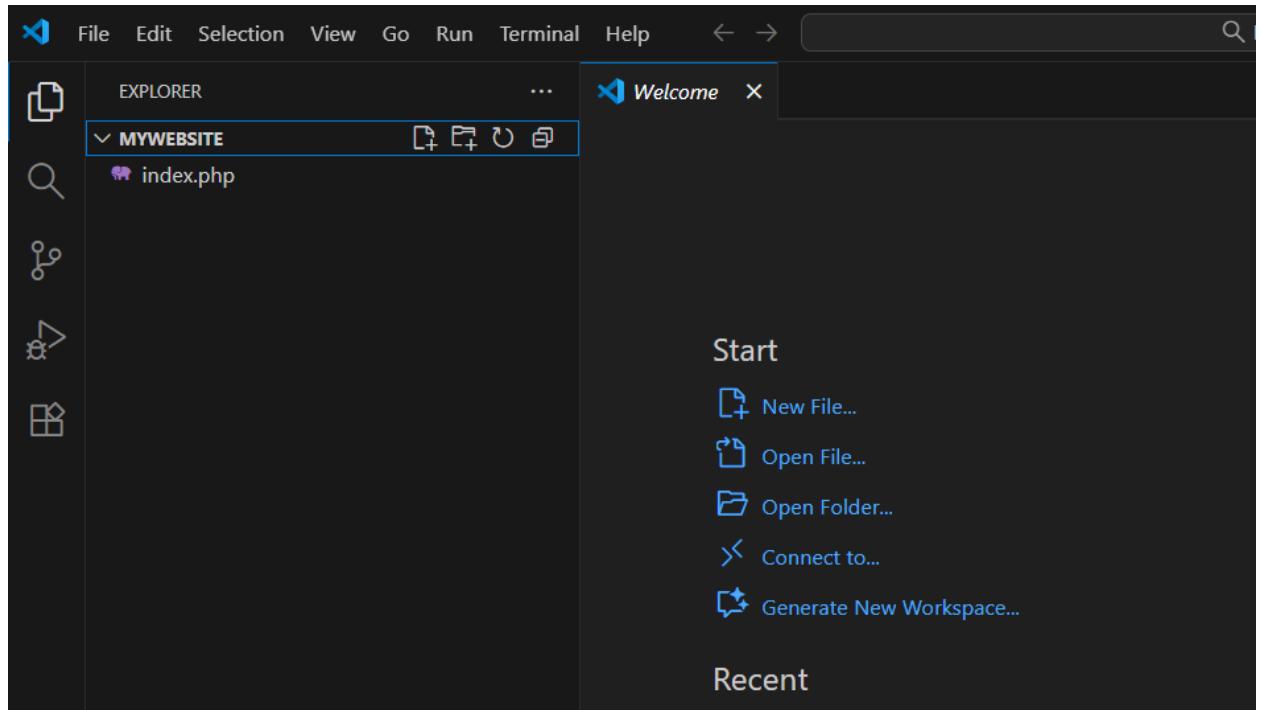
- **Locate your root folder.** Open the XAMPP Control Panel and click the **Explorer** button to navigate to your installation directory, typically **C:\xampp** on Windows.



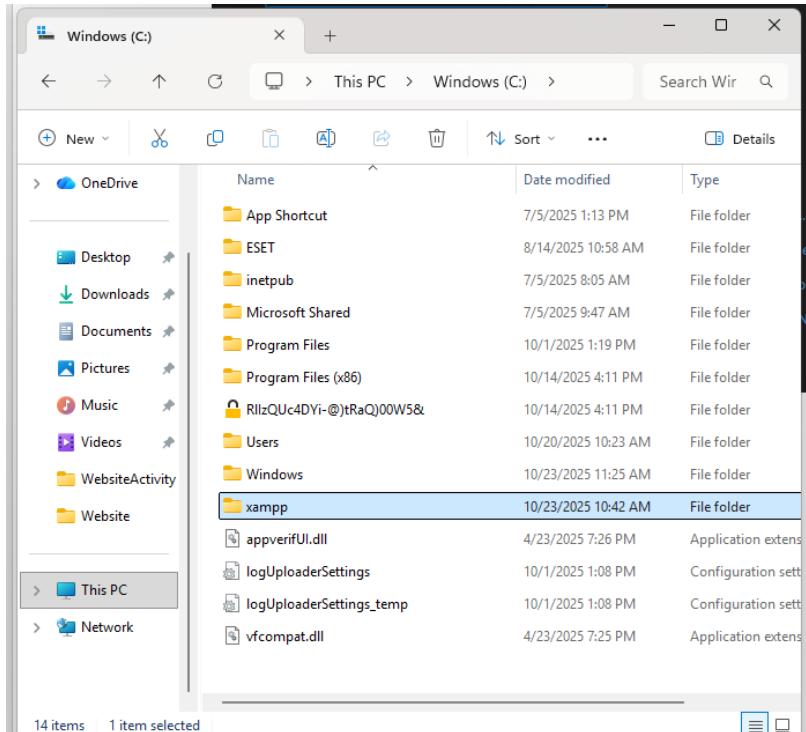
- **Find htdocs.** Open the htdocs folder. This is the root directory for all your web projects.

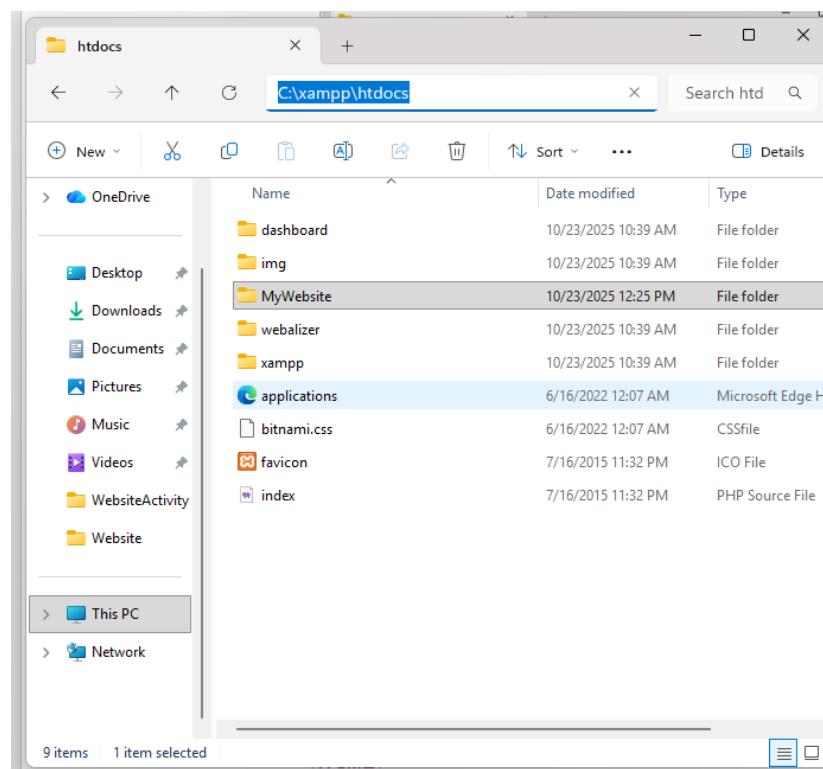
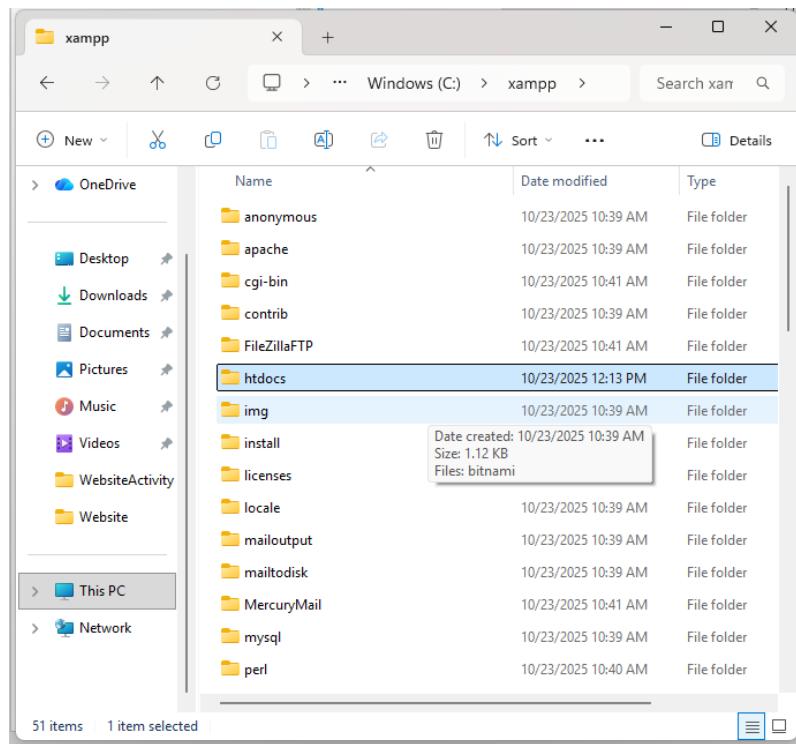


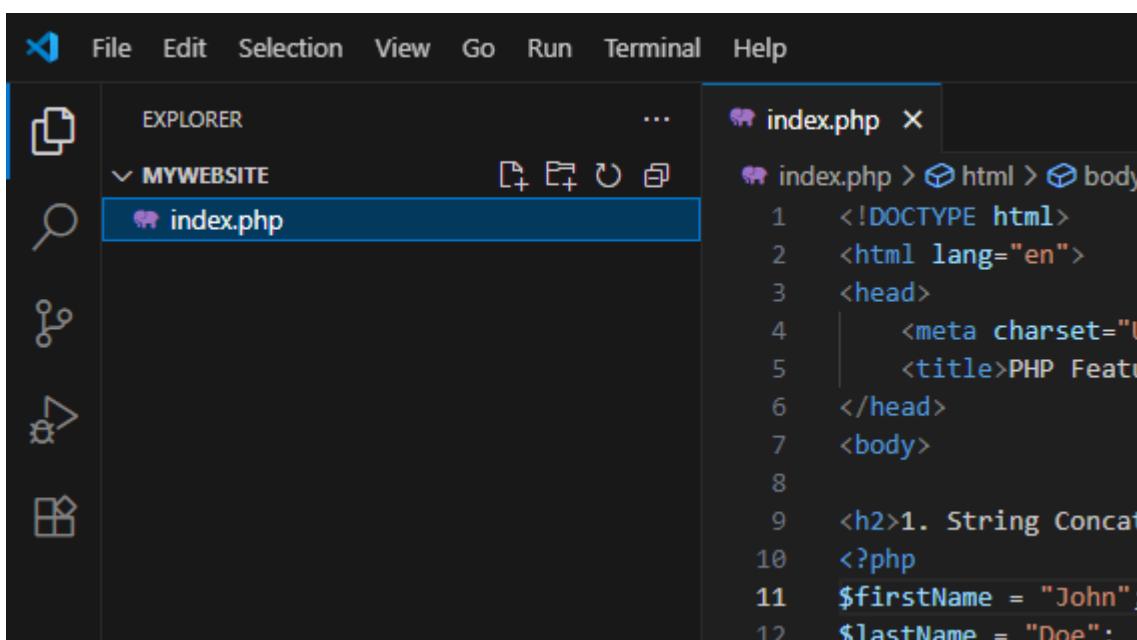
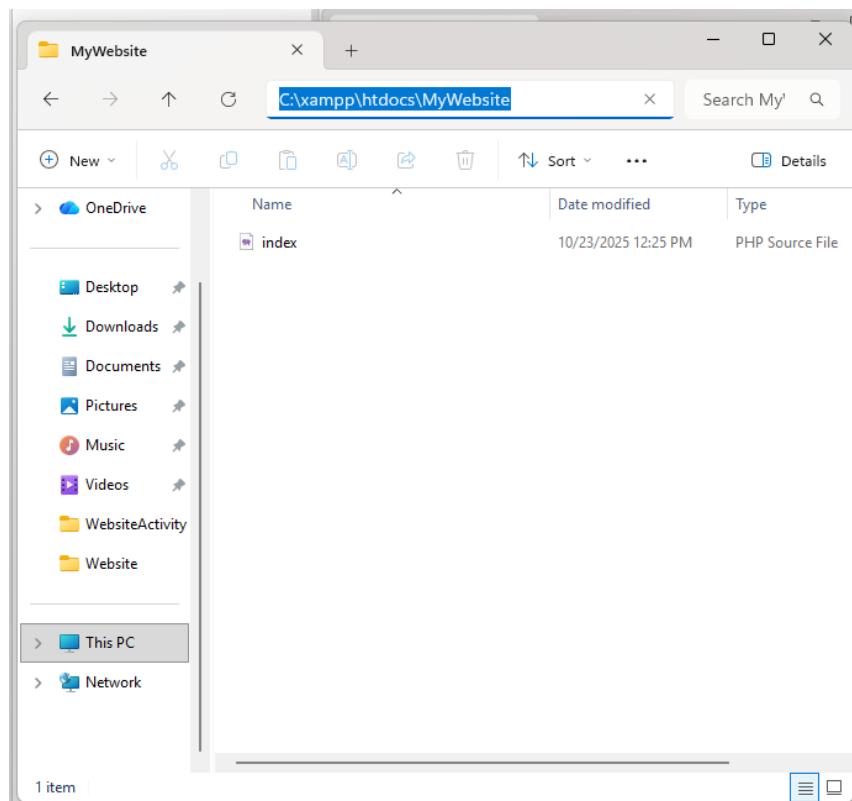
- **Create a project folder.** Create a new folder inside htdocs for your project (e.g., C:\xampp\htdocs\MyWebsite(any name you set)).
- **After creating the Filename inside htdocs, open your VS CODE app then**
- **Then locate this folder as show in the image below**



Answers:







- **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>

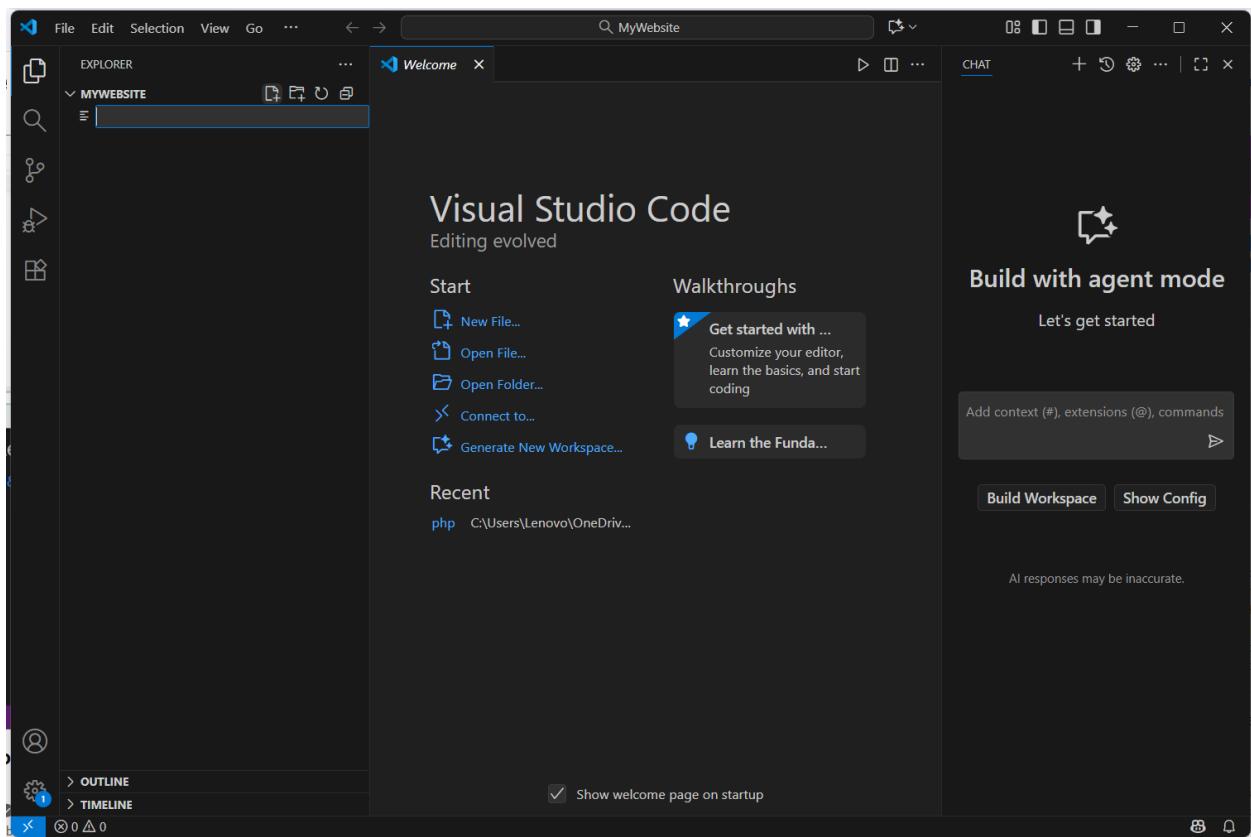
<form action="welcome.php" method="post">
Name: <input type="text" name="name"><br>
E-mail: <input type="text" name="email"><br>
<input type="submit">
</form>

</body>
</html>

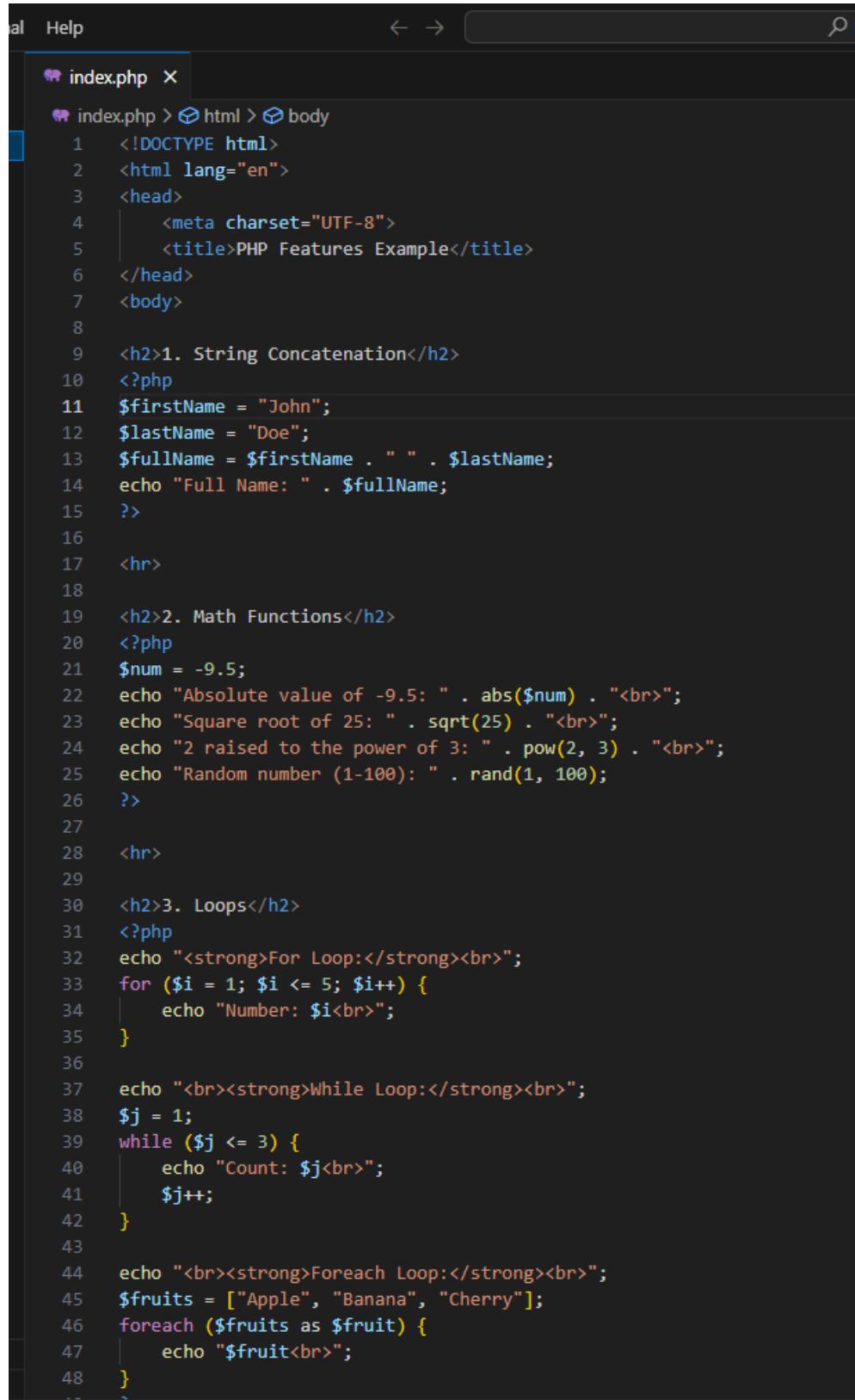
```

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)



Answers:



The screenshot shows a code editor window with the file 'index.php' open. The code is a PHP script demonstrating various features. It includes sections for string concatenation, math functions, loops (for, while, foreach), and strong tags. The code is numbered from 1 to 48.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>PHP Features Example</title>
</head>
<body>

<h2>1. String Concatenation</h2>
<?php
$firstName = "John";
$lastName = "Doe";
$fullName = $firstName . " " . $lastName;
echo "Full Name: " . $fullName;
?>

<hr>

<h2>2. Math Functions</h2>
<?php
$num = -9.5;
echo "Absolute value of -9.5: " . abs($num) . "<br>";
echo "Square root of 25: " . sqrt(25) . "<br>";
echo "2 raised to the power of 3: " . pow(2, 3) . "<br>";
echo "Random number (1-100): " . rand(1, 100);
?>

<hr>

<h2>3. Loops</h2>
<?php
echo "<strong>For Loop:</strong><br>";
for ($i = 1; $i <= 5; $i++) {
    echo "Number: $i<br>";
}

echo "<br><strong>While Loop:</strong><br>";
$j = 1;
while ($j <= 3) {
    echo "Count: $j<br>";
    $j++;
}

echo "<br><strong>Foreach Loop:</strong><br>";
$fruits = ["Apple", "Banana", "Cherry"];
foreach ($fruits as $fruit) {
    echo "$fruit<br>";
}
```

```
index.php X
index.php > html > body
2   <html lang="en">
7     <body>
40       &foreach ($fruits as $fruit) {
47         echo "$fruit<br>";
48     }
49   ?>
50
51   <hr>
52
53   <h2>4. Constants</h2>
54   <?php
55     define("SITE_NAME", "My PHP Practice Site");
56     define("PI", 3.14159);
57     echo "Welcome to " . SITE_NAME . "<br>";
58     echo "The value of PI is " . PI;
59   ?>
60
61   <hr>
62
63   <h2>5. PHP Superglobals</h2>
64   <?php
65     echo "Current file path: " . $_SERVER['PHP_SELF'] . "<br>";
66     echo "Server name: " . $_SERVER['SERVER_NAME'] . "<br>";
67     echo "Request method: " . $_SERVER['REQUEST_METHOD'] . "<br>";
68   ?>
69
70   <hr>
71
72   <h2>6. Sample Form Handling</h2>
73   <form method="post" action=""
74     <label>Enter your name:</label>
75     <input type="text" name="username">
76     <input type="submit" value="Submit">
77   </form>
78
79   <?php
80   if ($_SERVER["REQUEST_METHOD"] == "POST") {
81     $name = htmlspecialchars($_POST['username']);
82     if (!empty($name)) {
83       echo "Hello, " . $name . "!";
84     } else {
85       echo "Please enter your name.";
86     }
87   }
88   ?>
89
90   </body>
91   </html>
92
```

The screenshot shows a web browser window titled "PHP Features Example". The address bar indicates the URL is "localhost/mywebsite/". The main content area displays various PHP features:

- 1. String Concatenation**: Shows "Full Name: John Doe".
- 2. Math Functions**: Shows "Absolute value of -9.5: 9.5", "Square root of 25: 5", "2 raised to the power of 3: 8", and "Random number (1-100): 18".
- 3. Loops**:
 - For Loop:** Prints "Number: 1", "Number: 2", "Number: 3", "Number: 4", and "Number: 5".
 - While Loop:** Prints "Count: 1", "Count: 2", and "Count: 3".
 - Foreach Loop:** Prints "Apple", "Banana", and "Cherry".
- 4. Constants**: Shows "Welcome to My PHP Practice Site" and "The value of PI is 3.14159".
- 5. PHP Superglobals**: Shows "Current file path: /mywebsite/index.php", "Server name: localhost", and "Request method: POST".
- 6. Sample Form Handling**: A form with the placeholder "Enter your name: