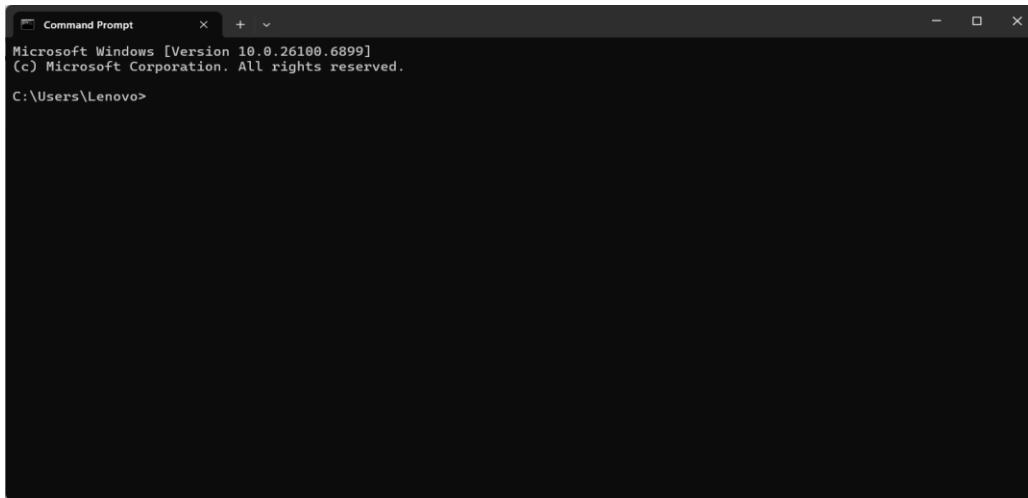


Laboratory Activity
Web Systems and Technology
Midterm

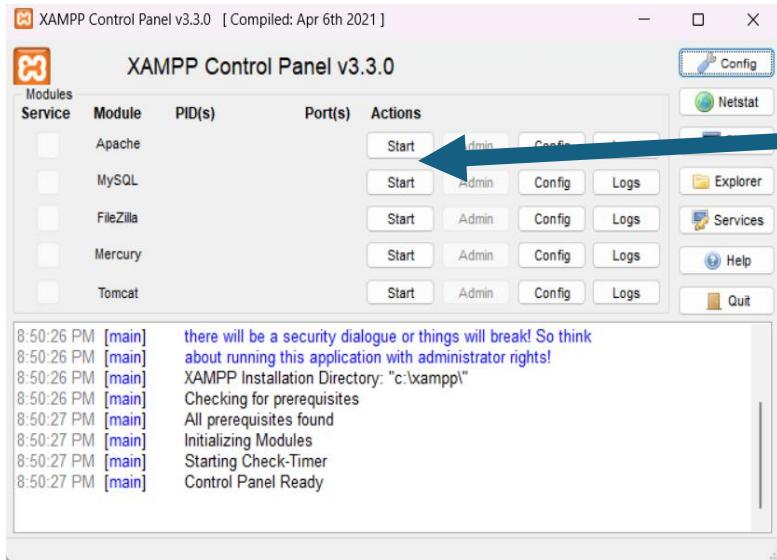
Marc Dave U. Ofilanda
C334_IT
OCTOBER 23,2025
WSTL31C

Procedure:

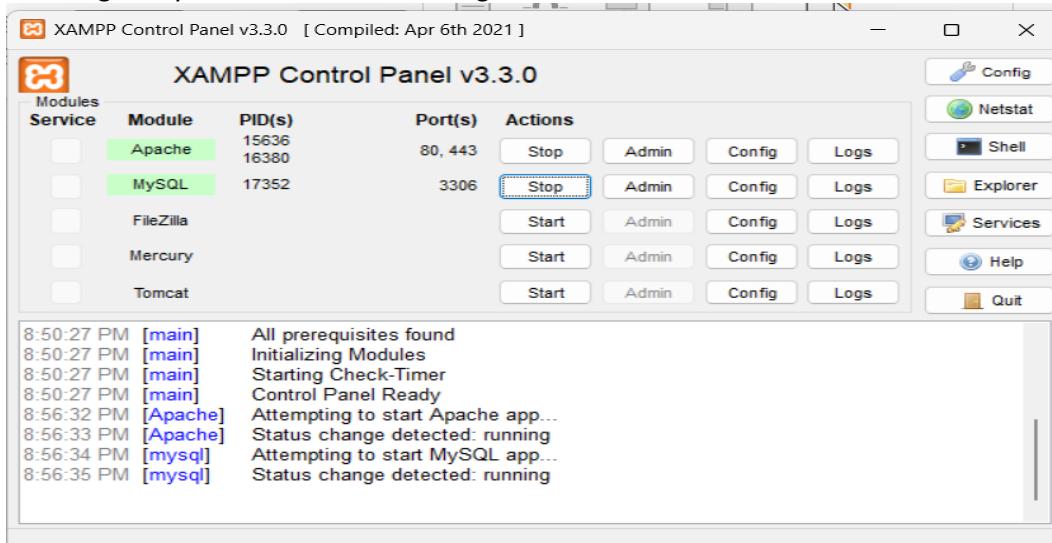
- Open your individual unit and check your current PHP version using the command prompt see sample image below : Write the command in the black provided



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



- 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.



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.

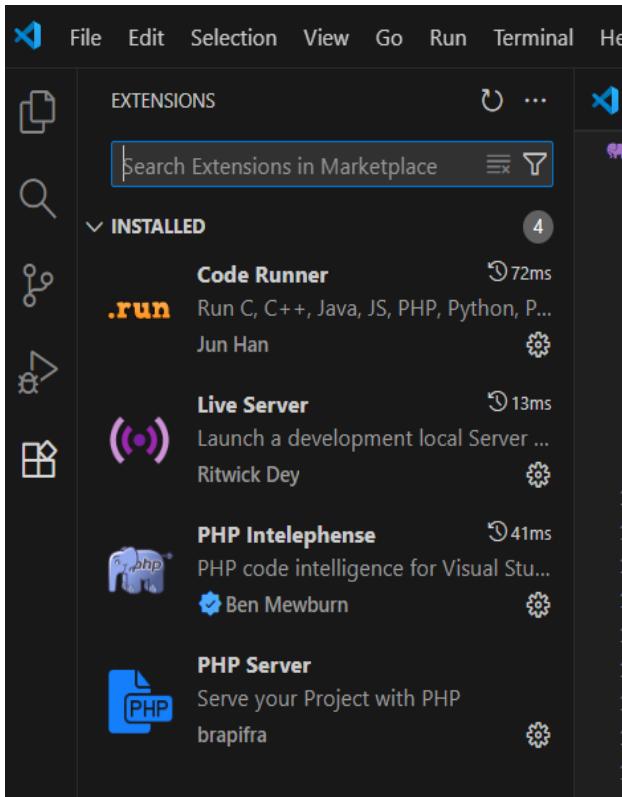
Start the XAMPP Control Panel to check the server status.

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.



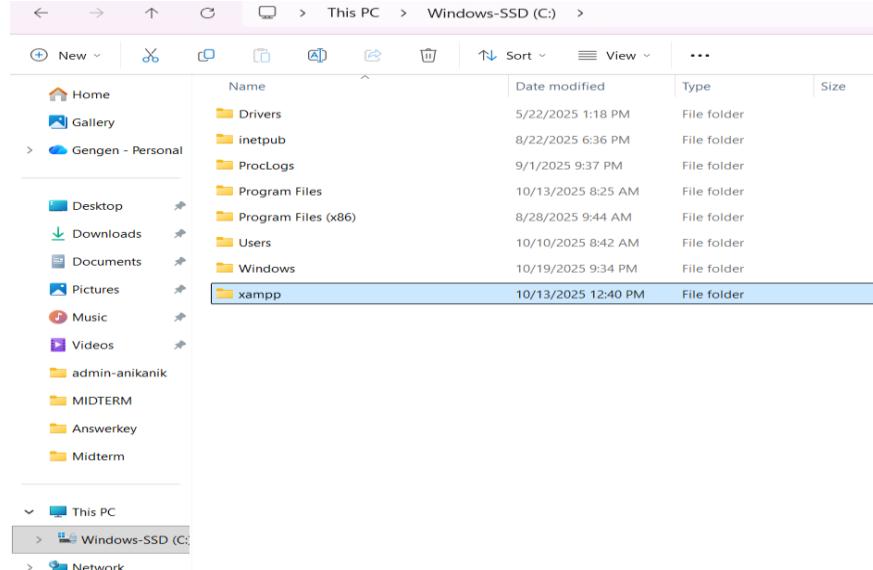
- Alternatively, you can type `http://127.0.0.1` to get the same result.
- Next, open your VS code app if the following Extension are available and properly installed
 - PHP server
 - Live server
 - PHP intelephense



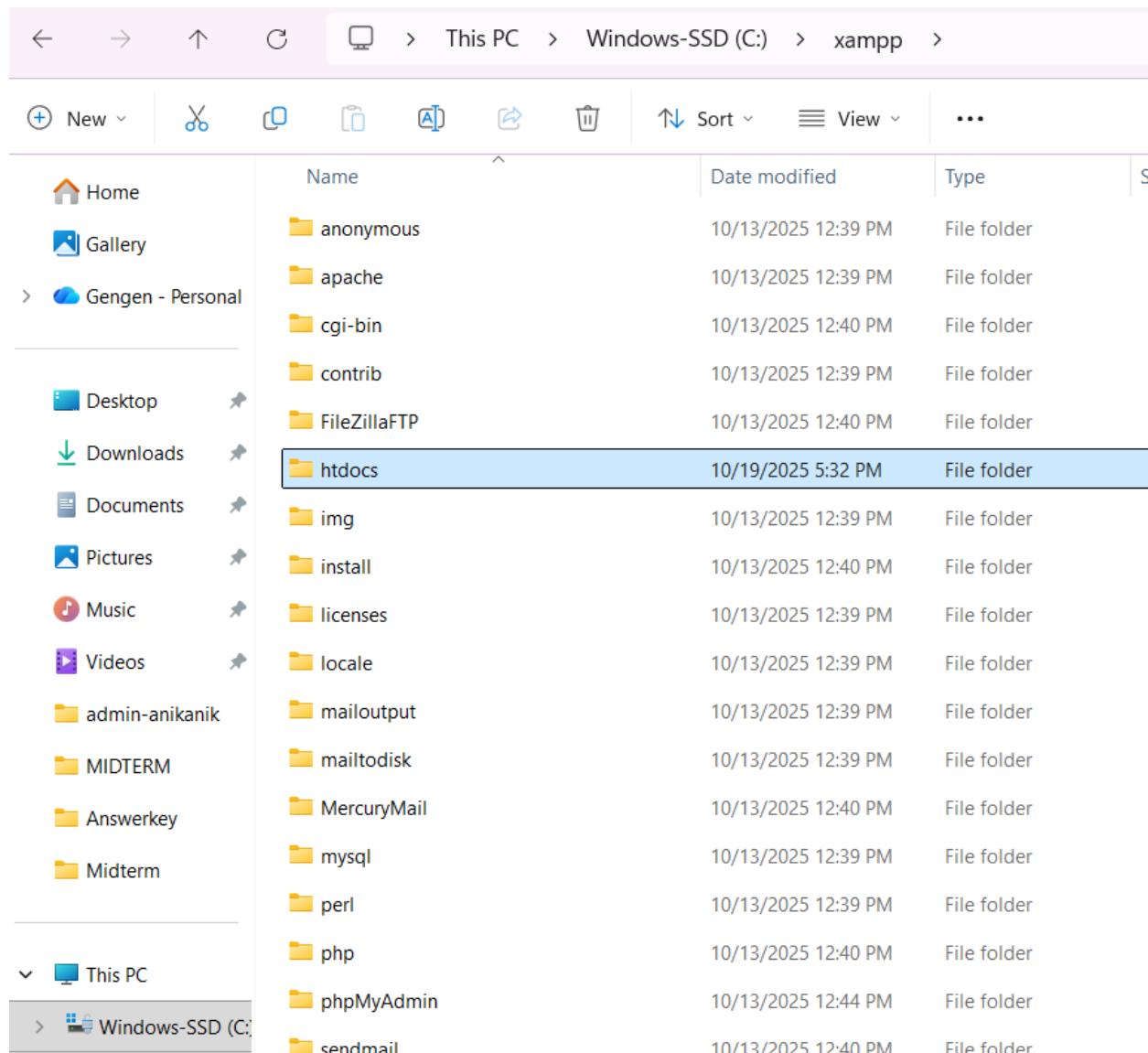
- Once installed start your first PHP code

First thing first create a folder inside your XAMPP

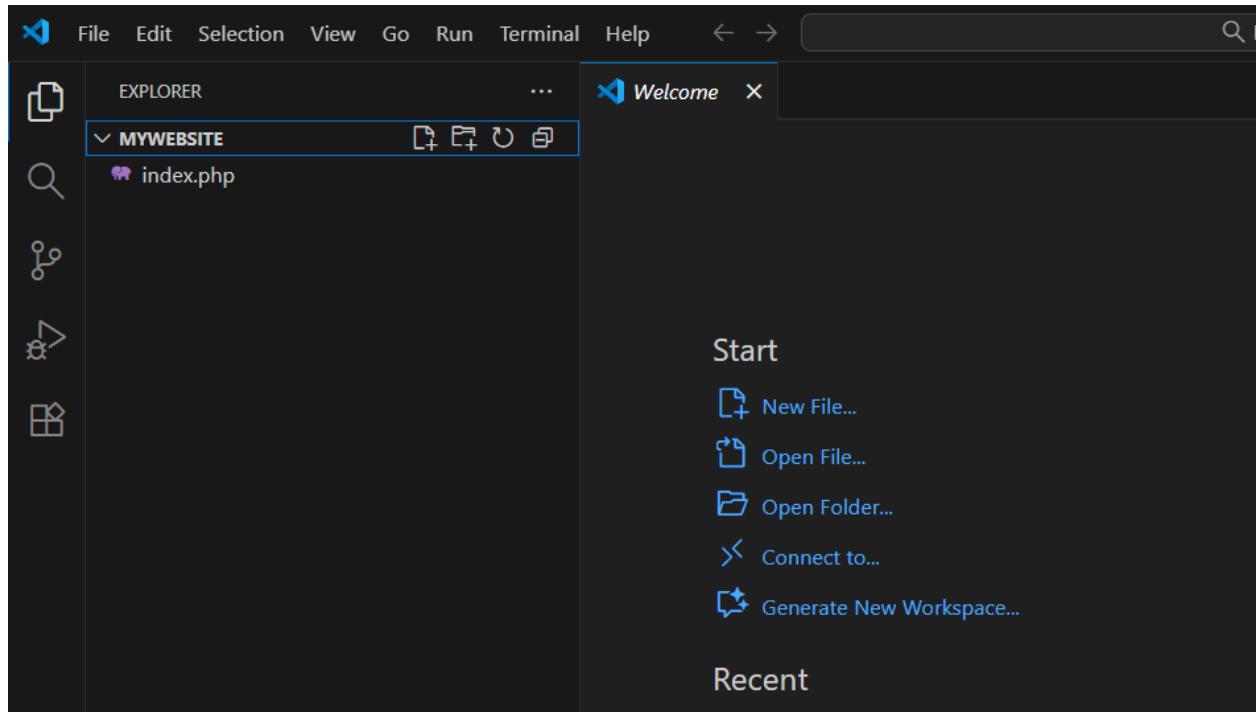
- Locate your root folder. Open the XAMPP Control Panel and click the Explorer button to navigate to your installation directory, typically **C:\xampp** on Windows.



- 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

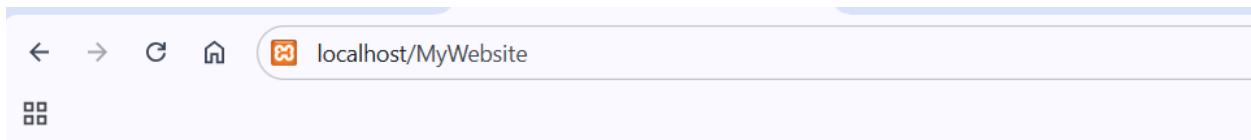
```
<!DOCTYPE HTML>
<html>
<body>

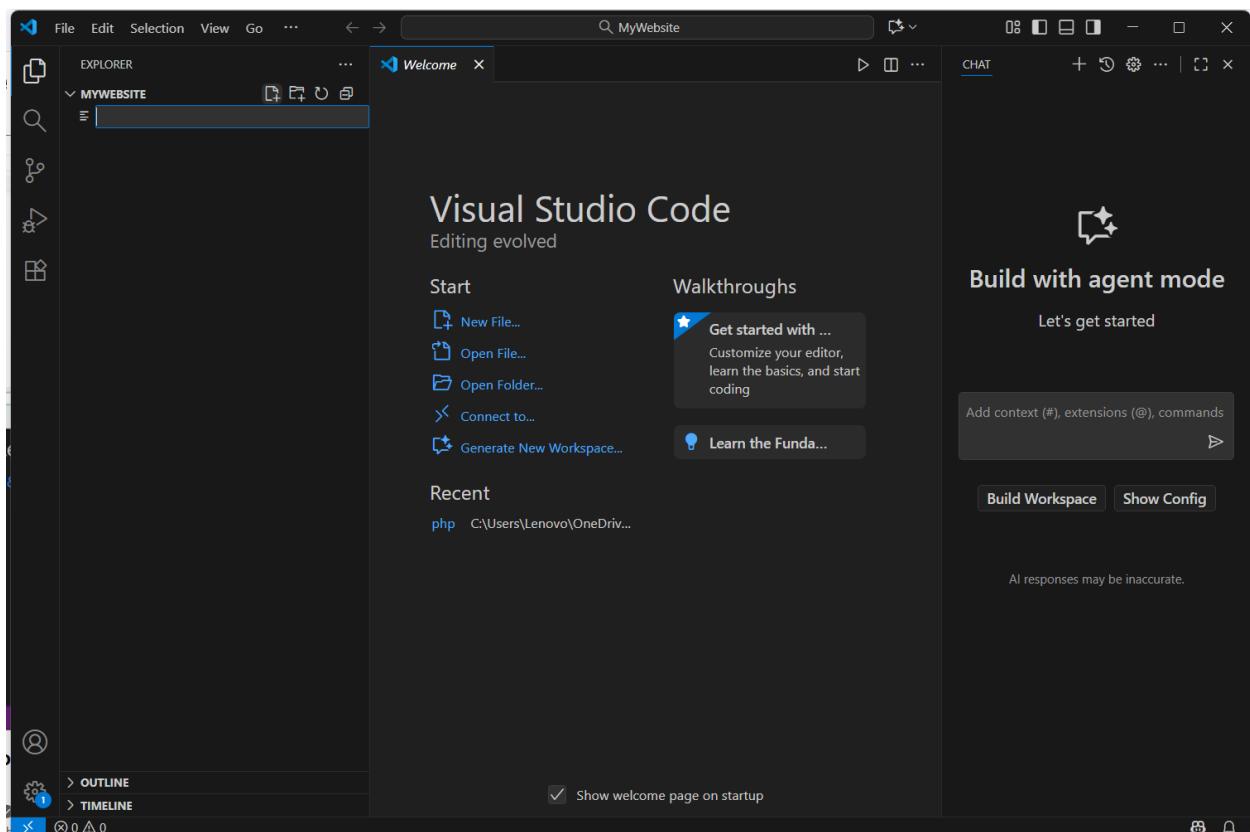
<form action="welcome.php" method="post">
Name: <input type="text" name="name"><br>
E-mail: <input type="text" name="email"><br>
<input type="submit">
</form>

</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)





ANSWER:

Source Code

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>PHP Demo</title>
</head>
<body>

<?php

$name = "Marc Dave Ofilanda";
$greeting = "Hello I'm $name !!!";

$outputname = "Activity 2 (October 23, 2025)";
echo $outputname;
```

```
$output = $greeting;
echo $output;
?>

<h1>PHP Activity: Math Functions, Loops, Constants, Superglobals, and Form Handling</h1>

<h2>Math Functions</h2>
<?php
    $num1 = 16;
    $num2 = 3;
    echo "<p>Square root of $num1: " . sqrt($num1) . "</p>";
    echo "<p>Power of $num2 to the power of 3: " . pow($num2, 3) . "</p>";
?>

<h2>Loops</h2>
<p>Using a for loop to print numbers from 1 to 5:</p>
<?php
    for ($i = 1; $i <= 5; $i++) {
        echo "<p>Number: $i</p>";
    }
?>

<h2>Constants</h2>
<?php
    define("SITE_NAME", "My PHP Demo Site");
    echo "<p>Site Name: " . SITE_NAME . "</p>";
?>

<h2>PHP Superglobals</h2>
<p>Example of <strong>$_SERVER</strong> superglobal:</p>
<?php
    echo "<p>Your current PHP script is located at: " .
$_SERVER['SCRIPT_NAME'] . "</p>";
    echo "<p>Client IP address: " . $_SERVER['REMOTE_ADDR'] . "</p>";
?>

<h2>Form Handling</h2>
<form method="POST" action="">
    <label for="name">Enter your name:</label>
    <input type="text" id="name" name="name">
    <input type="submit" value="Submit">
</form>

<?php
```

```

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = htmlspecialchars($_POST['name']);
    if (!empty($name)) {
        echo "<p>Hello, $name! You can now go HOME!!!</p>";
    } else {
        echo "<p>Please enter your name.</p>";
    }
}
?>

</body>
</html>

```

OUTPUT:

Activity 2 (October 23, 2025)Hello I'm Marc Dave Ofilanda !!!

PHP Activity: Math Functions, Loops, Constants, Superglobals, and Form Handling

Math Functions

Square root of 16: 4

Power of 3 to the power of 3: 27

Loops

Using a for loop to print numbers from 1 to 5:

Number: 1
Number: 2
Number: 3
Number: 4
Number: 5

Constants

Site Name: My PHP Demo Site

PHP Superglobals

Example of \$_SERVER superglobal:
Your current PHP script is located at: /Activity 2/index_ofilanda_act2.php
Client IP address: ::1

Form Handling

Enter your name: Submit

Hello, Marc Ofilanda! You can now go HOME!!!