Laboratory Activity
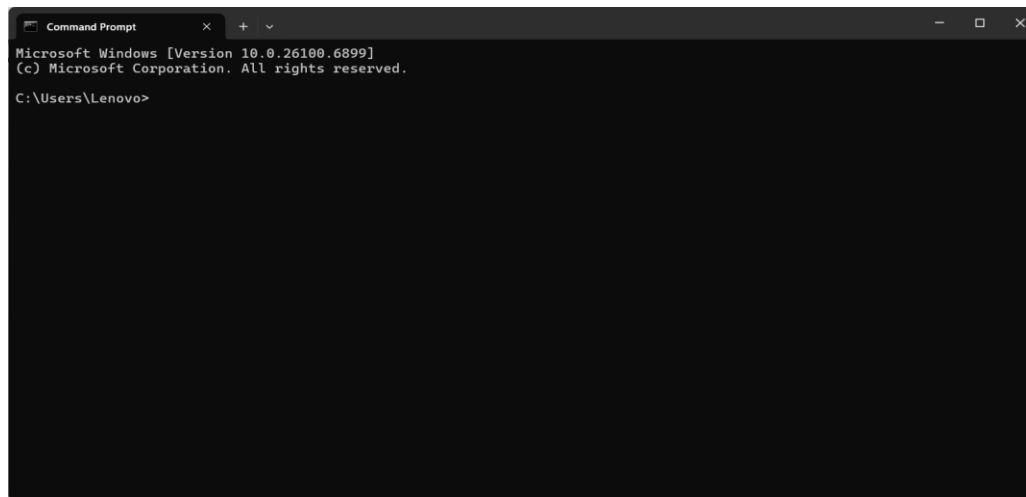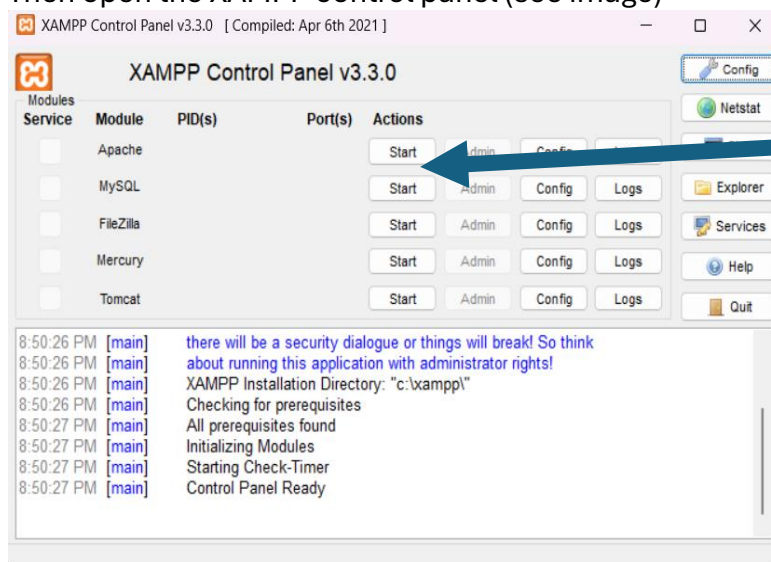# Web Systems and Technology
Midterm

Mendoza John Mark R. C-334 IT

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
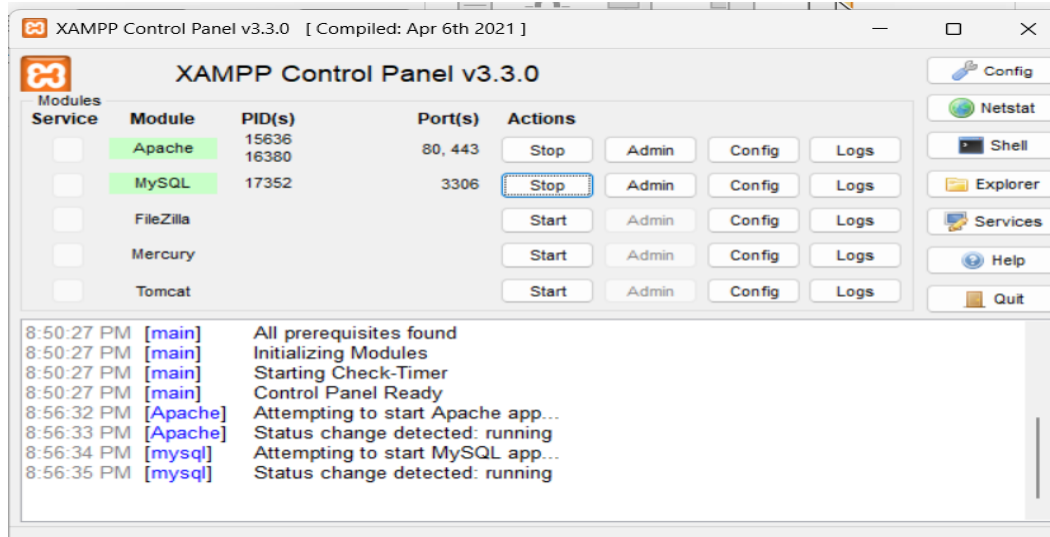

_____

- Then open the XAMPP control panel (see image)

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

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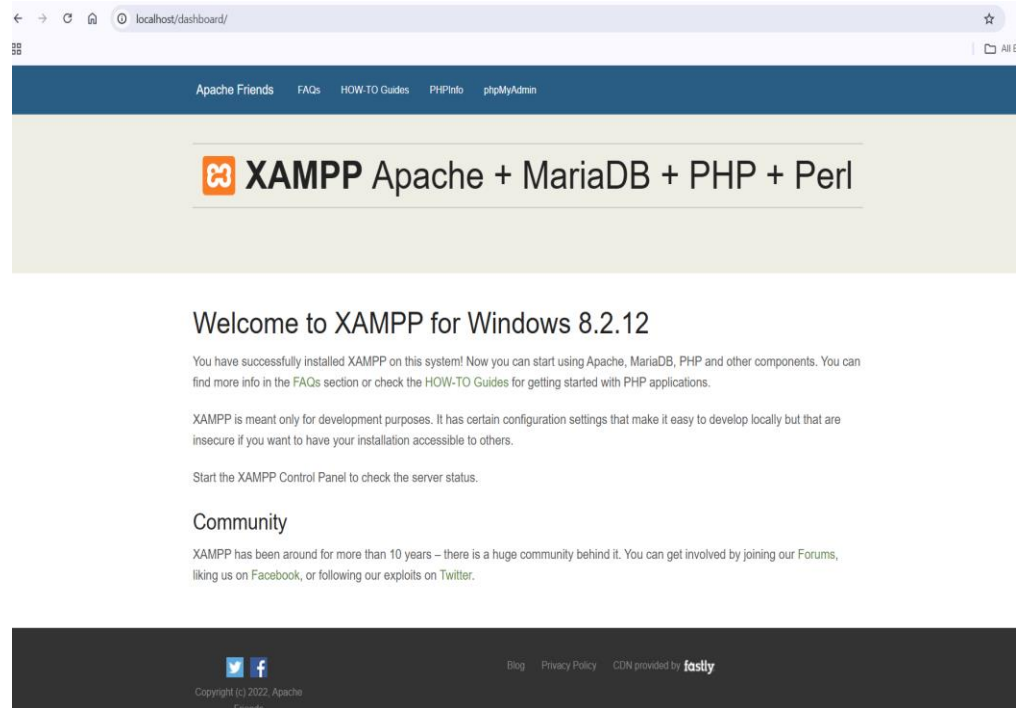
- o Alternatively, you can type `http://127.0.0.1` to get the same result.

- Next, open your VS code app if the following Extension are available and properly installed
  - o PHP server
  - o Live server
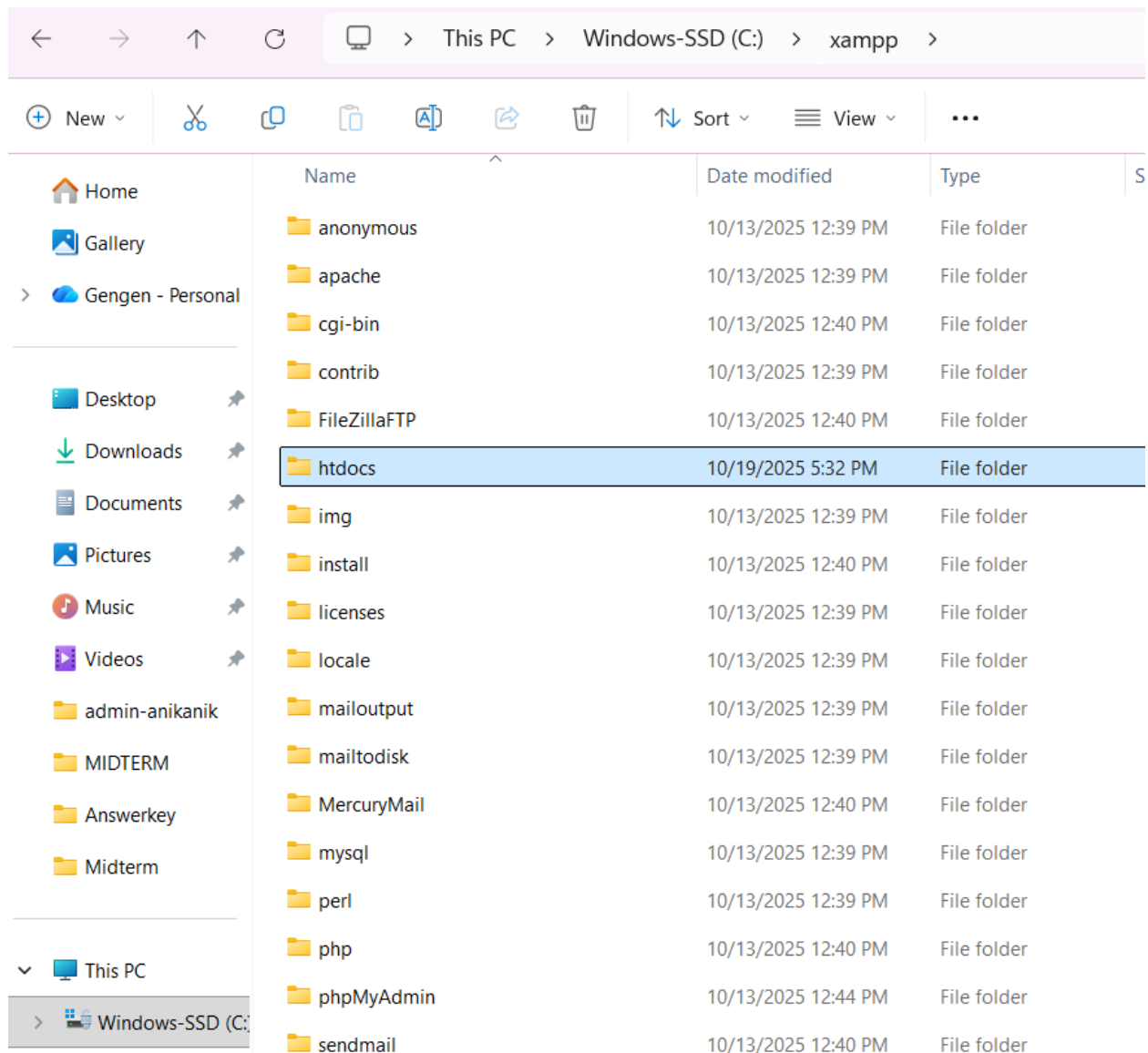 - o PHP intelephense
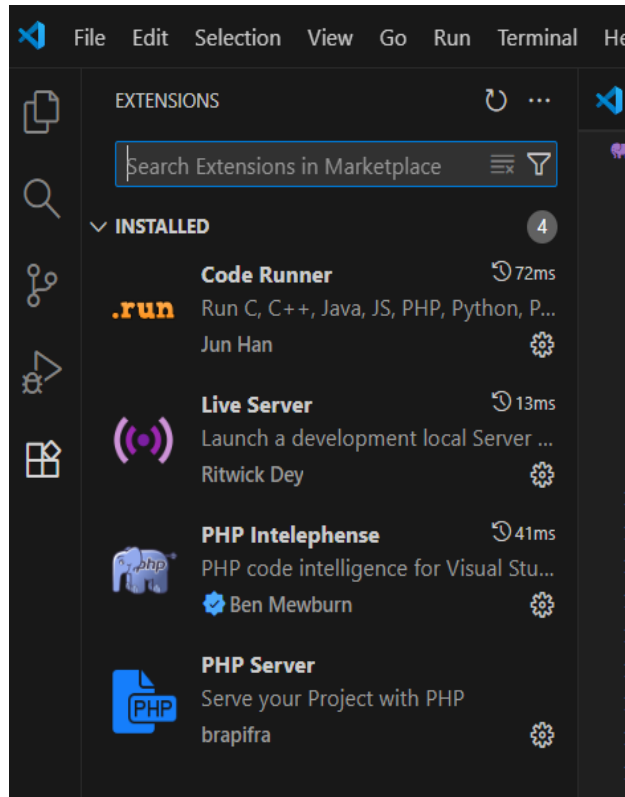
- Once installed start your first PHP code

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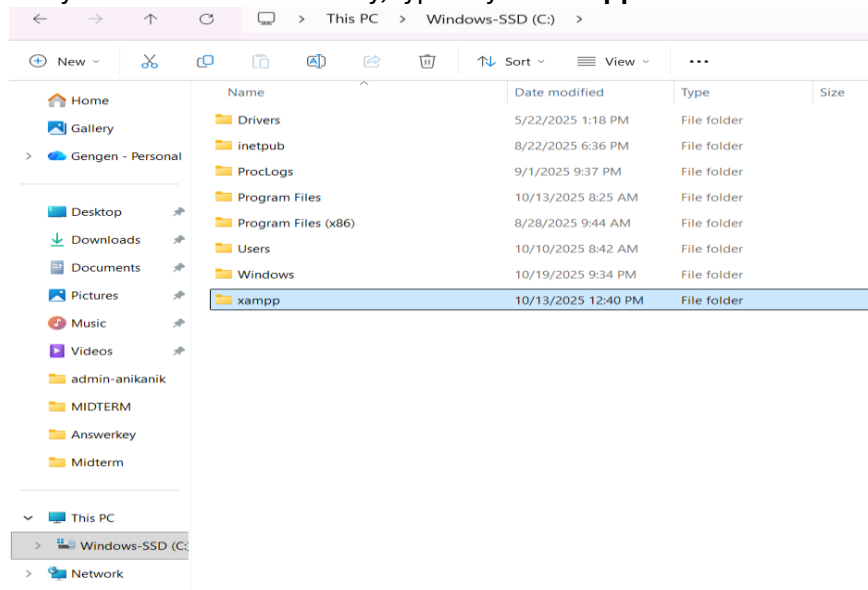
- **Find htdocs**. Open the htdocs folder. This is the root directory for all your web projects.

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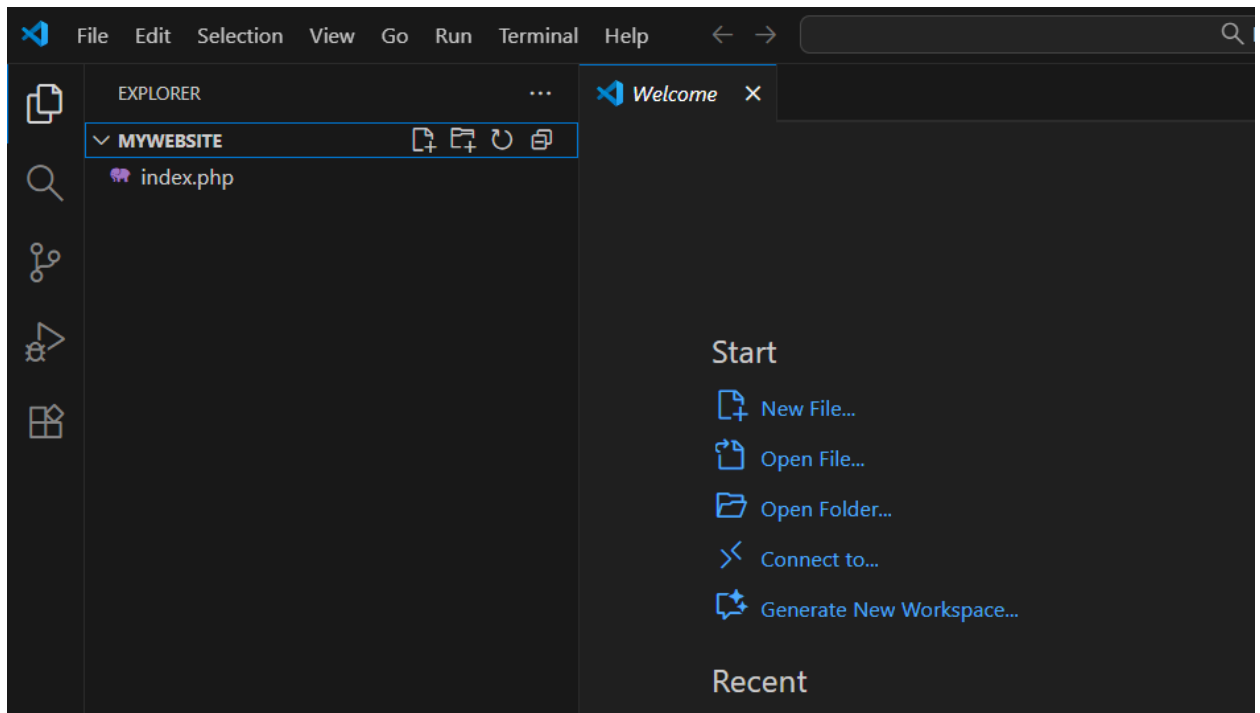
- **Save your projects**
  - you need to save your files in the correct directory.
- Create at least one sample code using the following.
  - Concatenate String

```
<!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>
```
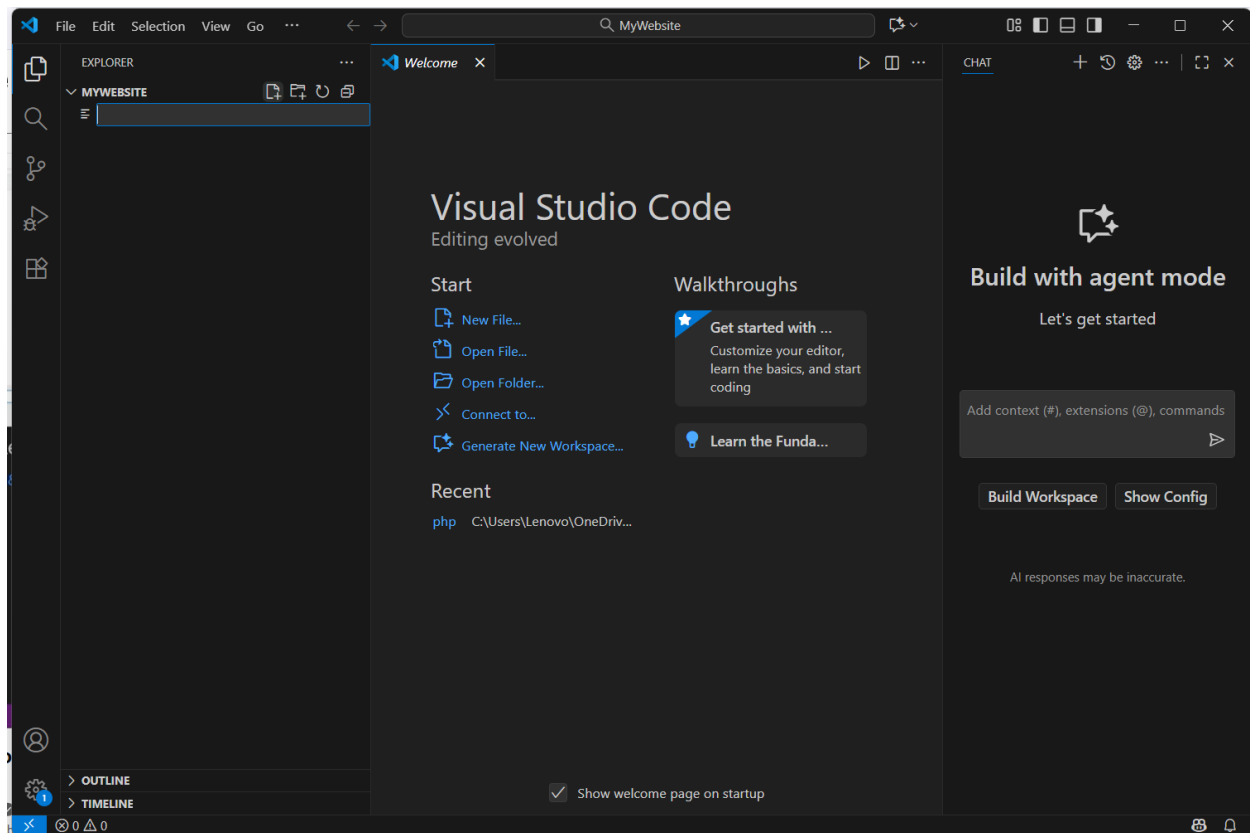
Note: Don't forget to save your sample with PHP extension (e.g index.php)
- Display an output for each sample
  - **Access your project**. To view your website, go to your browser then type http://localhost/MyWebsite (or the name you set) . If you created a specific file, such as index.php, you would visit http://localhost/MyWebsite/index.php (or the filename you saved)

← → C ⌂ ⊠ localhost/MyWebsite

⊞

Activity 2 – Laboratory Activity

Concatenate String

```php
<!DOCTYPE html>
<html>
<head>
    <title>My Activity For Today</title>
</head>
<body>
<h1>Activity</h1>

<?php

$firstName = "JohnMark";
$lastName = "Mendoza";
$fullName = $firstName . " " . $lastName;
echo "<h2>Concatenate String</h2>";
echo "Full Name: " . $fullName . "<br>";
```

Concatenate String

Full Name: JohnMark Mendoza

```php
echo "<h2>Math Function </h2>";
$a = 5;
$b = 10;
$sum = $a + $b;
$product = $a * $b;
echo "Sum: $sum<br>";
echo "Product: $product<br>";
echo "Square Root of 16 is " . sqrt(16) . "<br>";
echo "Random number (1-50): " . rand(1, 50) . "<br>";
```

Math Function

Sum: 15
Product: 50
Square Root of 16 is 4
Random number (1-50): 25

```php
echo "<h2>Loops </h2>";


echo "<b>For Loop:</b><br>";
for ($i = 1; $i <= 5; $i++) {
    echo "Number: $i <br>";
}
```

Loops

For Loop:
Number: 1
Number: 2
Number: 3
Number: 4
Number: 5

```php
echo "<h2>Constants </h2>";
define("SITE_NAME", "My PHP Example Site");
const VERSION = "1.0.0";
echo "Site Name: " . SITE_NAME . "<br>";
echo "Version: " . VERSION . "<br>";
```

Constants

Site Name: My PHP Example Site
Version: 1.0.0

```php
43
44
45    echo "<h2>PHP Superglobals </h2>";
46    echo "Server Name: " . $_SERVER['SERVER_NAME'] . "<br>";
47    echo "Script Filename: " . $_SERVER['SCRIPT_FILENAME'] . "<br>";
48    echo "User Agent: " . $_SERVER['HTTP_USER_AGENT'] . "<br>";
49
```

PHP Superglobals

Server Name: localhost
Script Filename: C:/xampp/htdocs/myactivity/index1.php
User Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/141.0.0.0 Safari/537.36 Edg/141.0.0.0

```php
?>
<h2>Sample Form Handling</h2>
<form method="POST" action="">
    <label>Name:</label>
    <input type="text" name="name" required><br><br>
    <label>Age:</label>
    <input type="number" name="age" required><br><br>
    <input type="submit" name="submit" value="Submit">
</form>

<?php
if (isset($_POST['submit'])) {
    $name = htmlspecialchars($_POST['name']);
    $age = htmlspecialchars($_POST['age']);
    echo "<h3>Form Submitted!</h3>";
    echo "Hello, $name. You are $age years old.<br>";
}
?>
```

Sample Form Handling

Name: [_____]

Age: [_____]

[Submit]

Form Submitted!

Hello, dsd. You are 22 years old.