

# Laboratory Activity

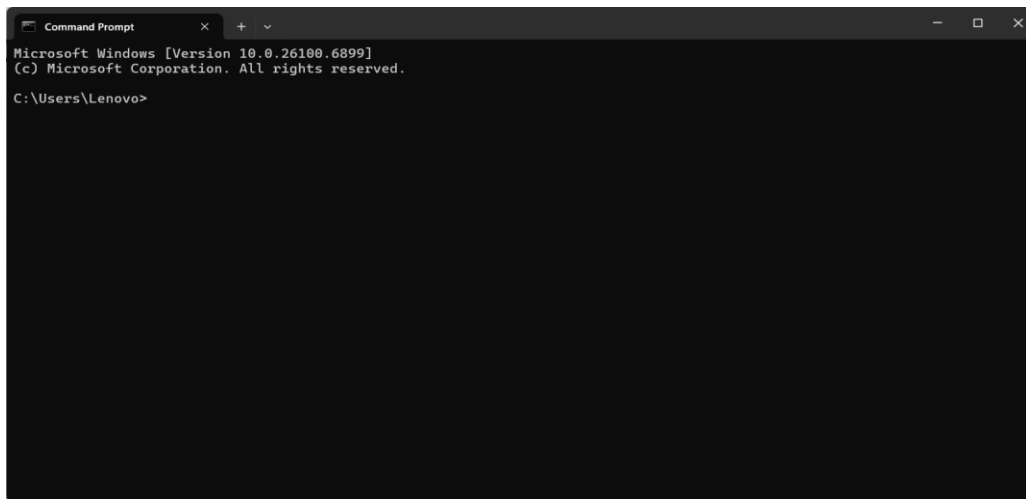
## Web Systems and Technology

### Midterm

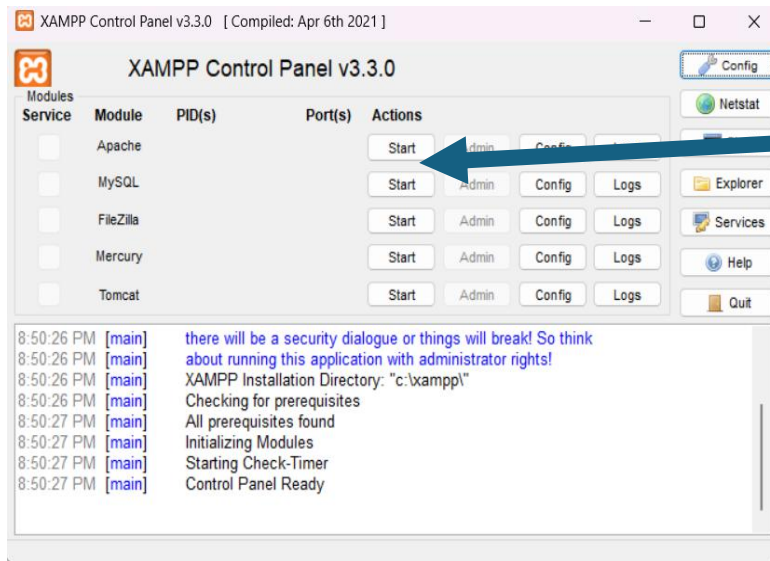
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OCTOBER 23,2025  
WSTL31C

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

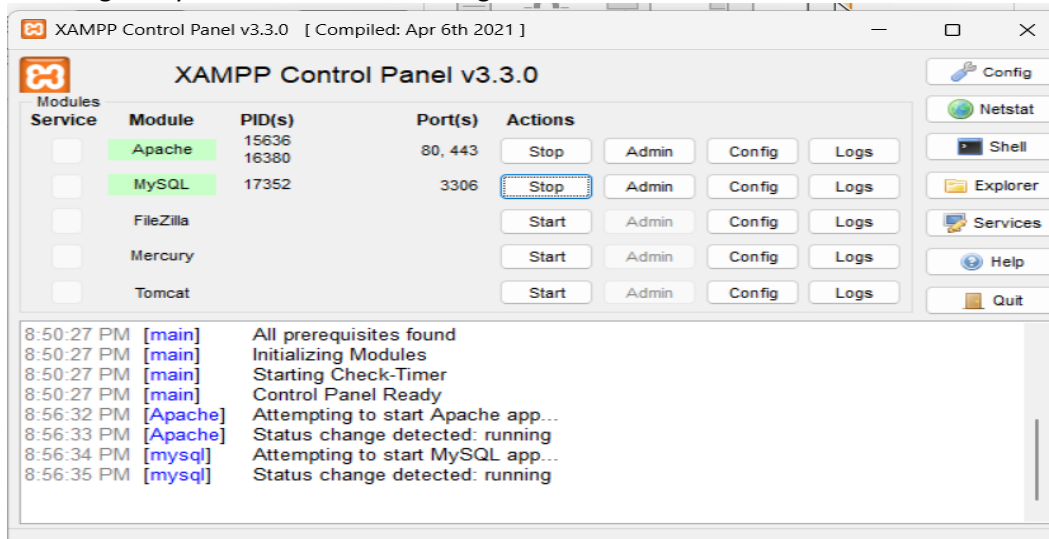


- 
- Then open the XAMPP control panel (see image)



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

- Once it green your server is now running

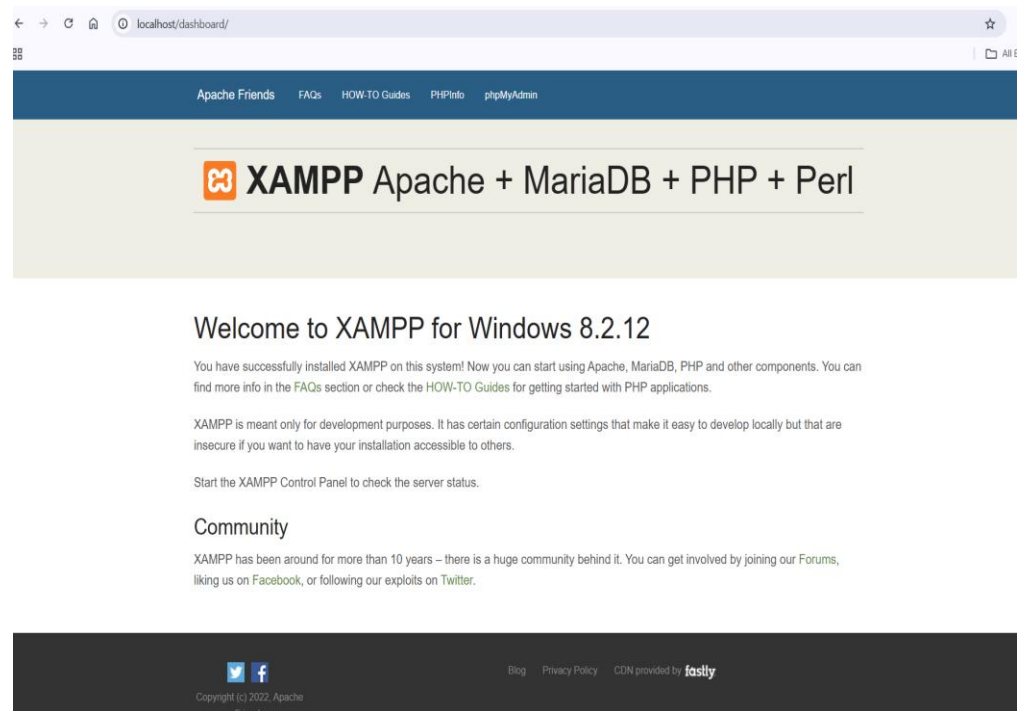


- Make sure to check the ports of Apache and MySQL as follows

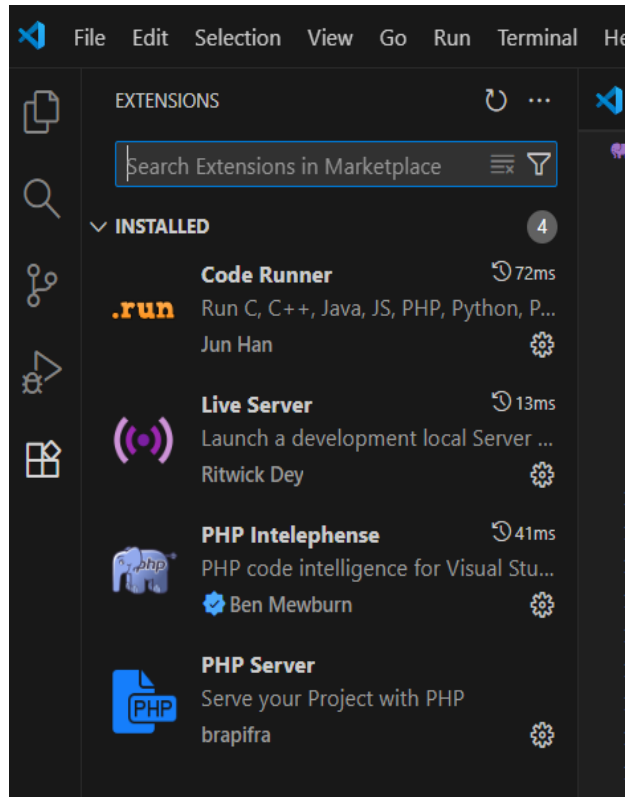
Module	PID(s)	Port(s)
Apache	26368 3028	80, 443
MySQL	25340	3306

- 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.



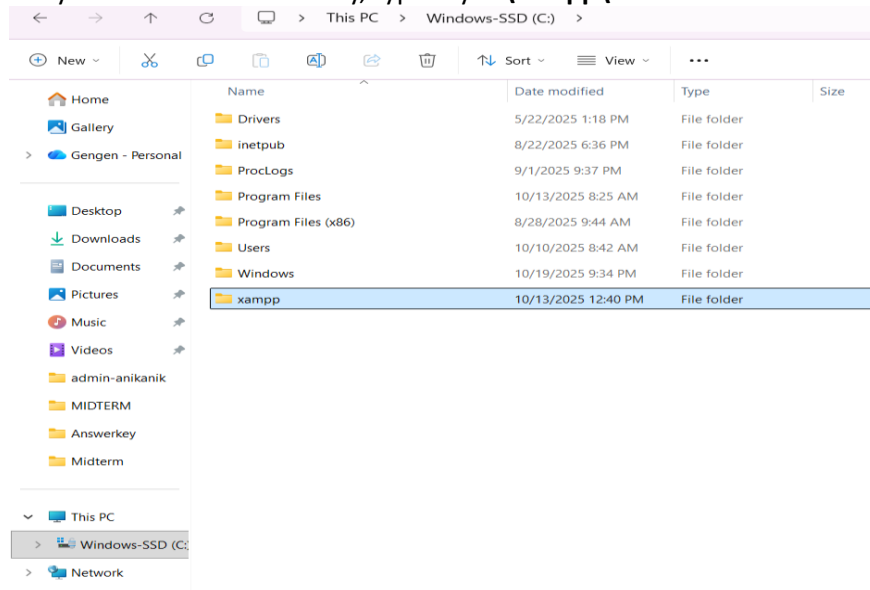
- Alternatively, you can type `http://127.0.0.1` to get the same result.
- Next, open your VS code app if the following Extension are available and properly installed
  - PHP server
  - Live server
  - PHP intelephense



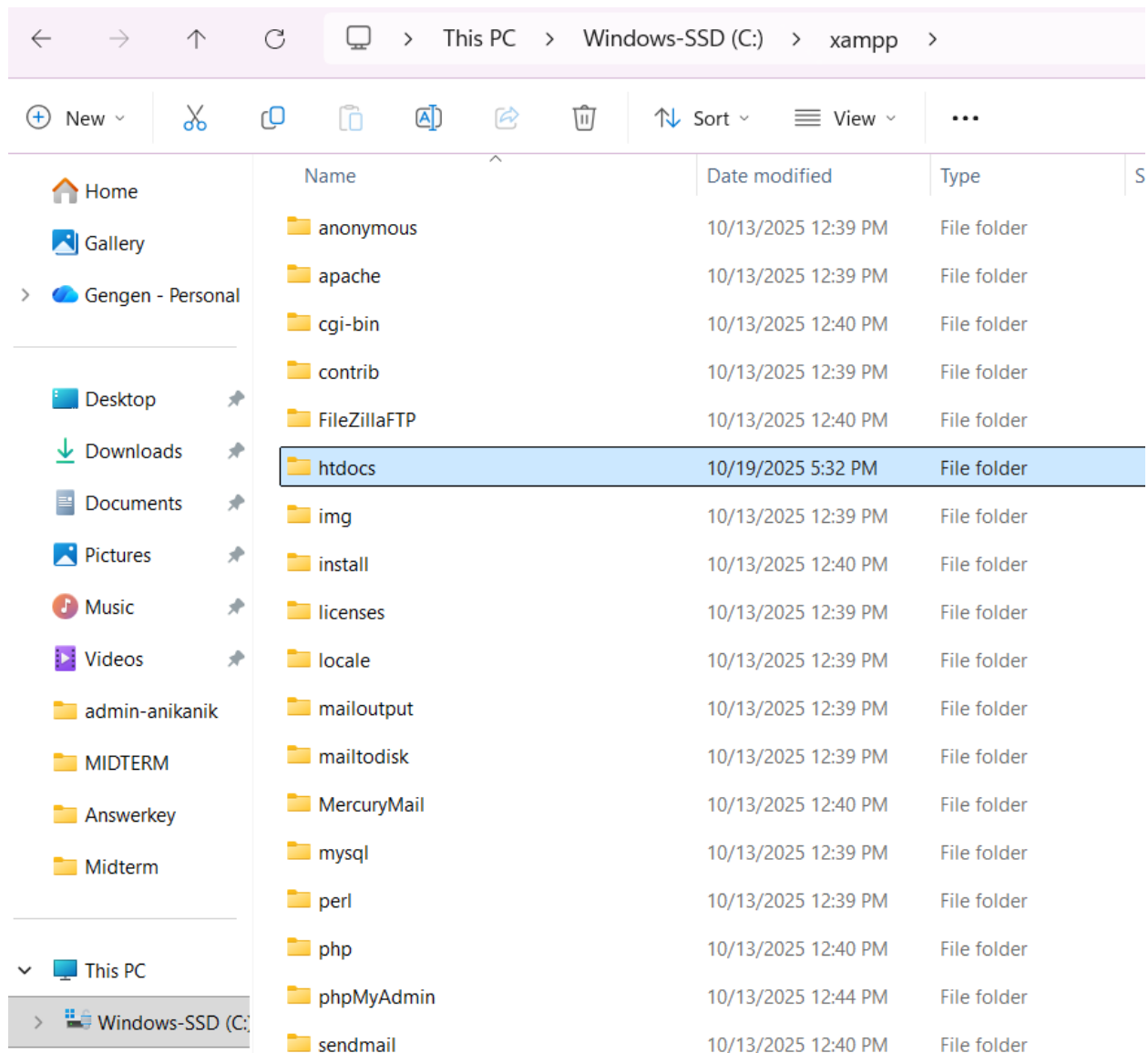
- Once installed start your first PHP code

### First thing first create a folder inside your XAMPP

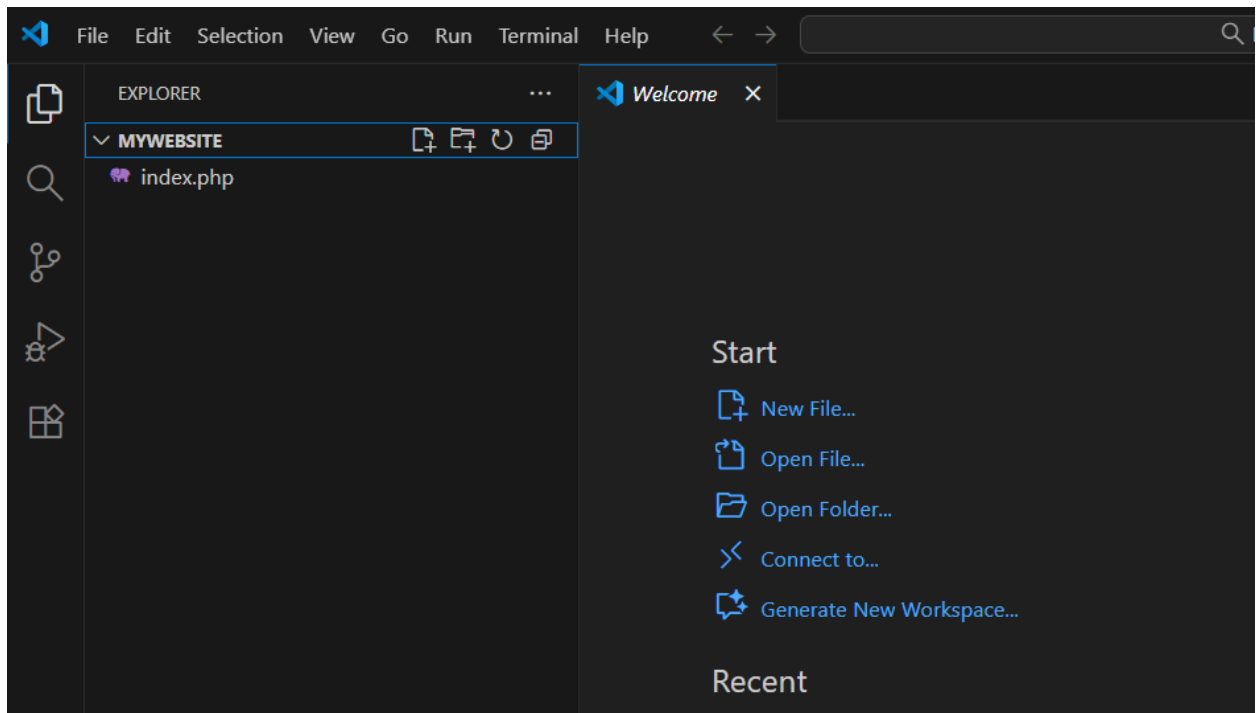
- **Locate your root folder.** Open the XAMPP Control Panel and click the **Explorer** button to navigate to your installation directory, typically **C:\xampp\** on Windows.



- **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>

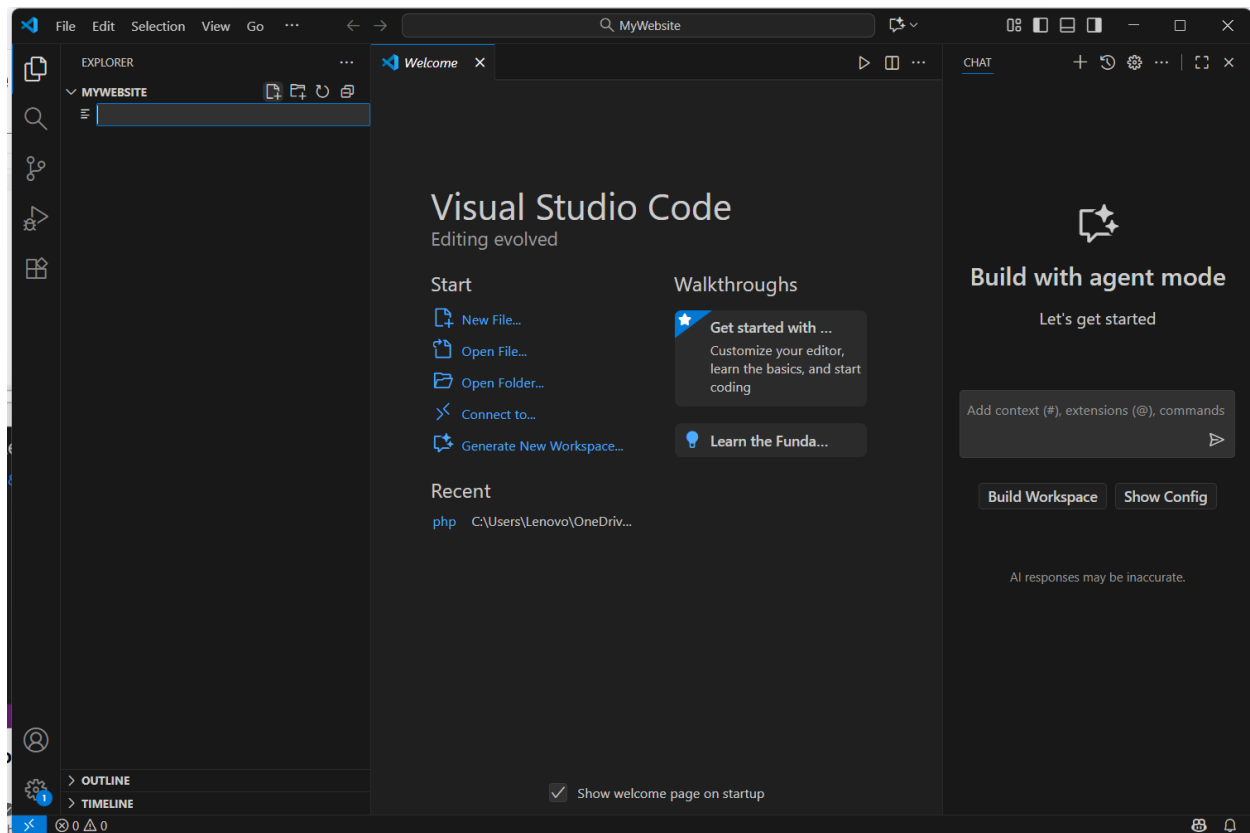
<form action="welcome.php" method="post">
Name: <input type="text" name="name"><br>
E-mail: <input type="text" name="email"><br>
<input type="submit">
</form>

</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)





**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:

