Basic PHP Syntax:

PHP code is embedded within HTML using the following syntax:

```
php
Copy code
<?php
  echo "Hello, World!";
?>
```

- **`<?php ... ?>`**: The PHP opening and closing tags.
- **`echo`**: A PHP command used to output text.

Example: PHP with HTML Form

Here's a simple example of using PHP to process a form submission:

HTML Form (index.html):

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

```html
<body>

  <h1>Enter Your Name</h1>

  <form action="submit.php" method="POST">

    <input type="text" name="name" required>

    <button type="submit">Submit</button>

  </form>

</body>

</html>
```