

## PHP Hello World on the web browser

First, open the folder htdocs under the xampp folder. Typically, it locates at C:\xampp\htdocs.

Second, create a new folder called helloworld.

Third, create a new file called index.php under the helloworld folder and place the following code in the file:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>PHP - Hello, World!</title>
</head>
<body>
  <h1><?php echo 'Hello, World!'; ?></h1>
</body>
</html>
```

The code in the index.php file looks like a regular HTML document except the part <?php and ?> .

The code between the opening tag <?php and closing tag ?> is PHP:

```
<?php echo 'Hello, World!'; ?>
```

This PHP code prints out the Hello, World message inside the h1 tag using the echo statement:

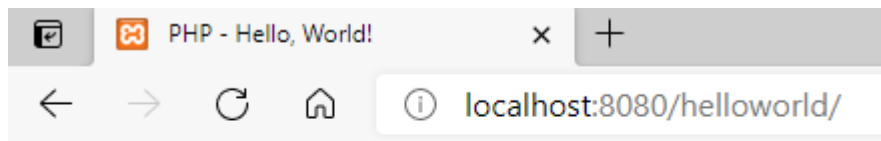
When PHP executes the index.php file, it evaluates the code and returns the Hello, World! message.

Fourth, launch a web browser and open the URL:

```
http://localhost:8080/helloworld/
```

Code language: JavaScript (javascript)

If you see the following on the web browser, then you've successfully executed the first PHP script:



# Hello, World!

If you view the source code of the page, you'll see the following HTML code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>PHP - Hello, World!</title>
</head>
<body>
  <h1>Hello, World!</h1>
</body>
</html>
```

## PHP Hello World on the command line

First, open the Command Prompt on Windows or Terminal on macOS or Linux.

Second, navigate to the folder `c:\xampp\htdocs\helloworld\`.

Third, type the following command to execute the `index.php` file:

```
c:\xampp\htdocs\helloworld>php index.php
```

You'll see the HTML output:

```
<html lang="en">
<head>
  <meta charset="UTF-8">
```

```
<title>PHP - Hello, World!</title>
</head>
<body>
  <h1>Hello, World!</h1>
</body>
</html>
```

Since the terminal doesn't know how to render HTML to web, it just shows the pure HTML code.

To simplify the output, you can use the following code in the index.php:

```
<?php
```

```
echo 'Hello, World!';
```

If you execute the script again:

```
c:\xampp\htdocs\helloworld>php index.php
```

and you'll see the following output:

```
Hello, World!
```

When you embed PHP code with HTML, you need to have the opening tag `<?php` and closing tag `?>`. However, if the file contains only PHP code, you don't need to the closing tag `?>` like the index.php above.

## Summary

- Place the PHP code between `<?php` and `?>` to mix PHP code with HTML.
- Use the `echo` construct to output one or more strings to the screen.