

Introduction to PHP with Uniform Server

- What is PHP?
 - Server-side scripting language
 - Powers dynamic websites
- Why Uniform Server?
 - Easy, portable WAMP stack (Windows, Apache, MySQL, PHP)
 - No installation required

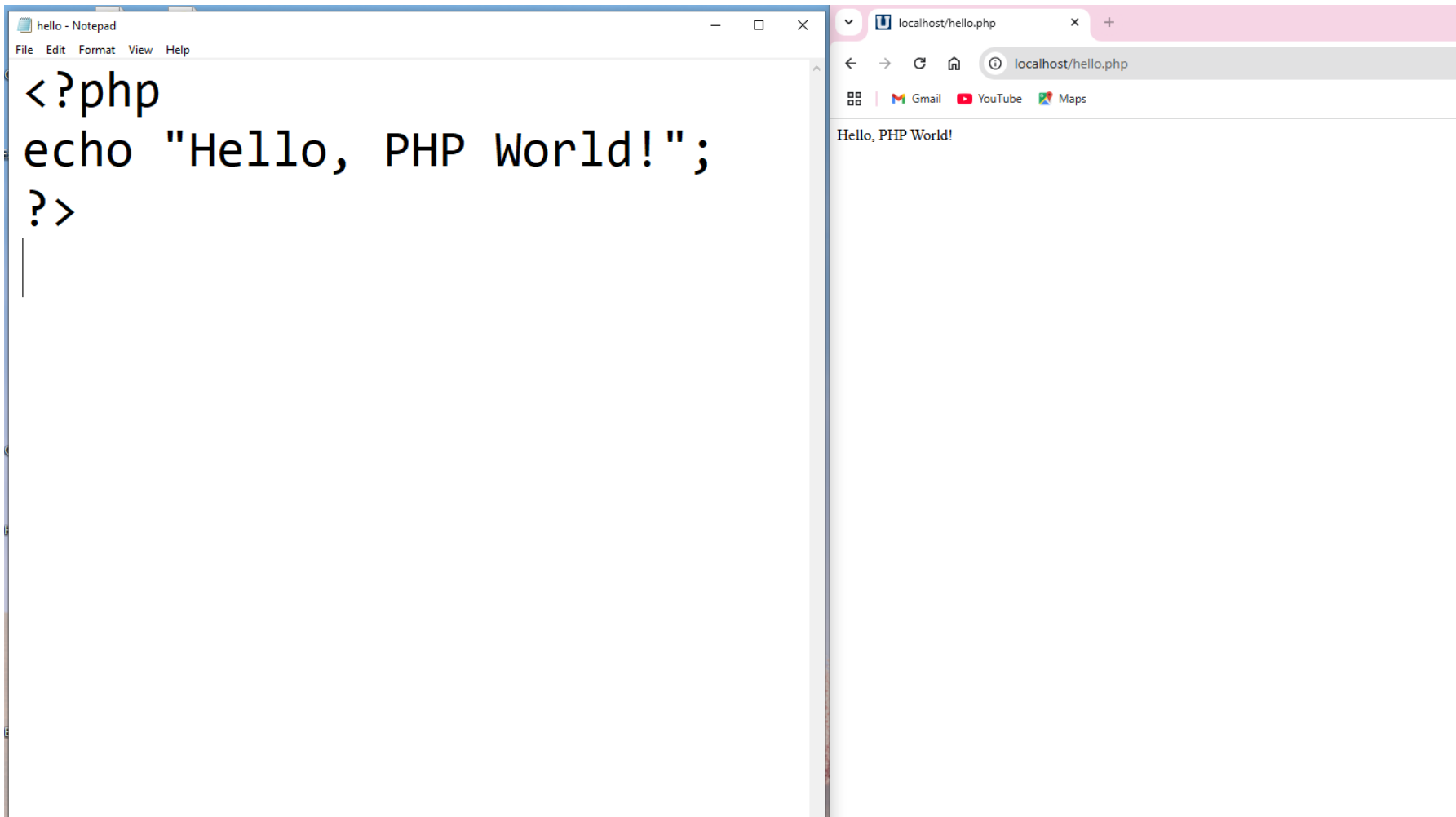
Creating Your First PHP File

- Open Notepad or any code editor
- Save file as hello.php in UniServerZ\www

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

Access via browser: <http://localhost/hello.php>

Creating Your First PHP File



Basic PHP Syntax

```
<?php
```

```
// This is a single-line comment
```

```
/*
```

```
This is a multi-line comment
```

```
*/
```

```
echo "Hello, world!";
```

```
?>
```

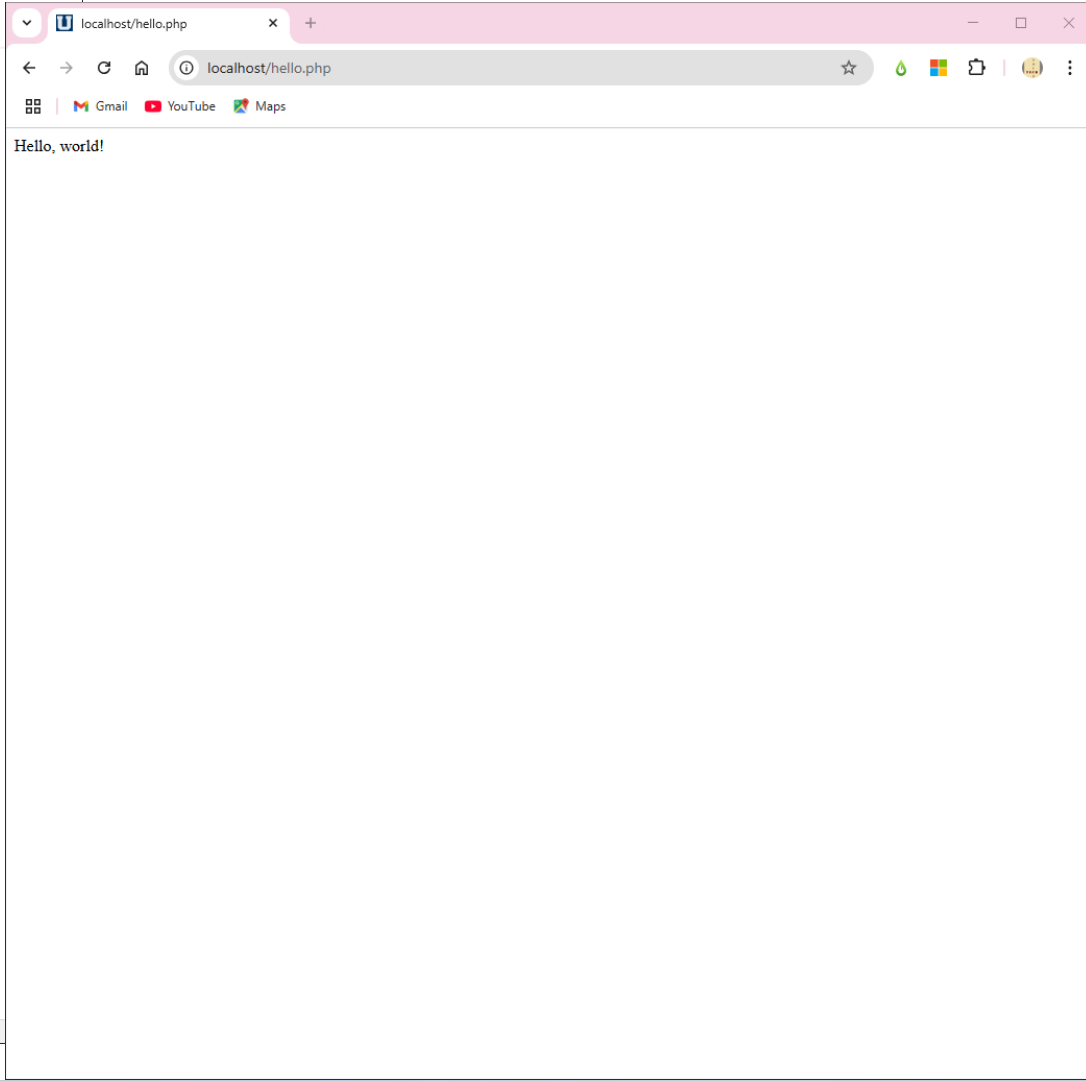
- Commands end with ;
- Code goes inside <?php ... ?>
- echo outputs text to the browser

Basic PHP Syntax

```
hello - Notepad
File Edit Format View Help

<?php
// This is a single-line
comment
/*
This is a multi-line
comment
*/
echo "Hello, world!";
?>
```

Ln 8, Col 1 350% Windows (CRLF) UTF-8



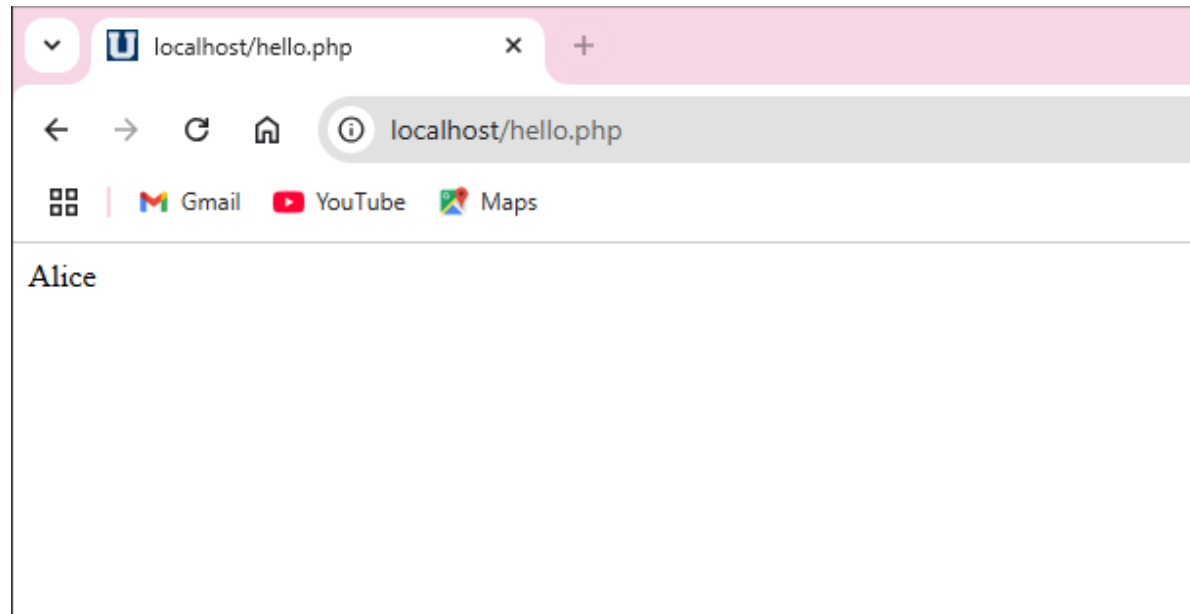
Variables and Data Types

```
<?php  
$name = "Alice";  
$age = 21;  
$price = 9.99;  
$isStudent = true;  
echo $name;  
?>
```

- \$ starts a variable
- Data types: string, int, float, boolean

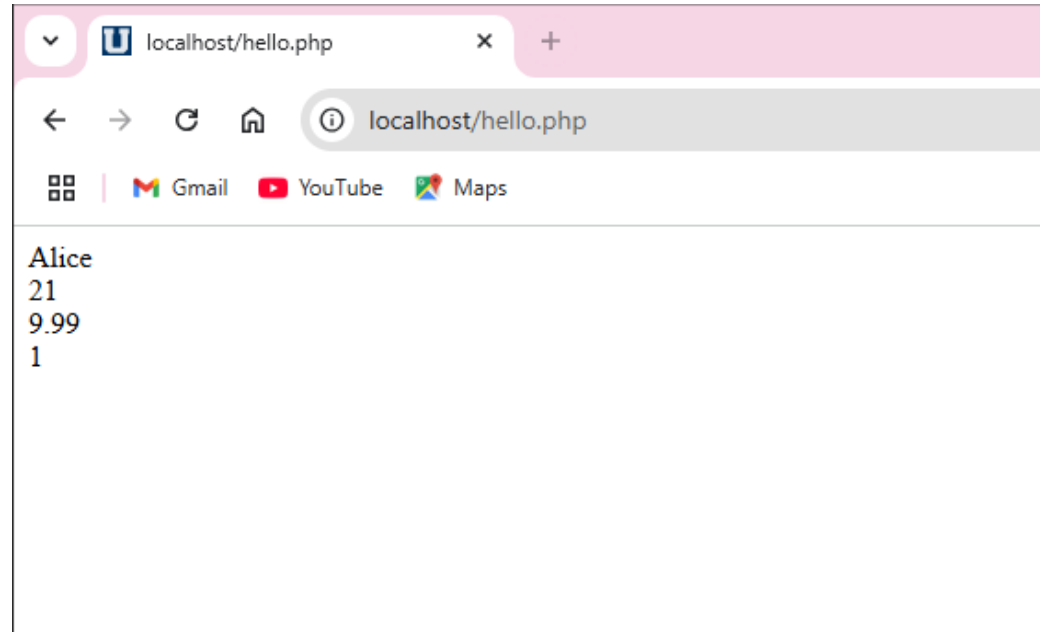
Variables and Data Types

```
<?php
$name = "Alice";
$age = 21;
$price = 9.99;
$isStudent = true;
echo $name;
?>
```



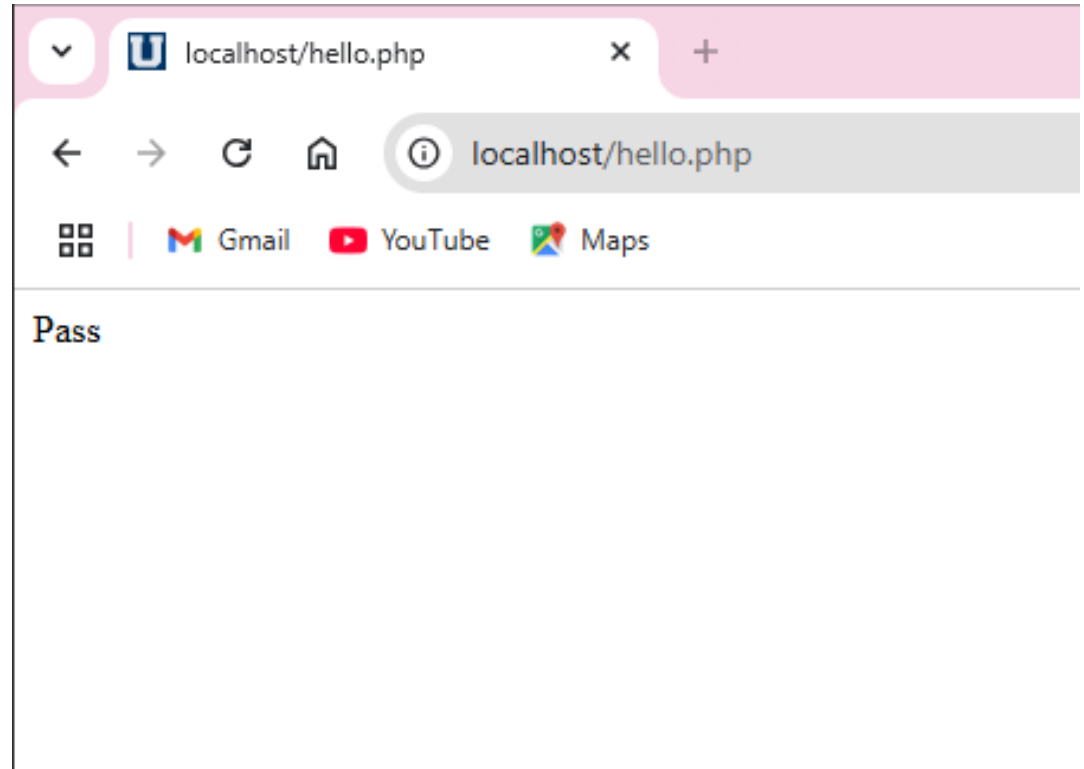
Variables and Data Types

```
<?php
$name = "Alice";
$age = 21;
$price = 9.99;
$isStudent = true;
echo $name . "<br>";
echo $age . "<br>";
echo $price . "<br>";
echo $isStudent . "<br>";
?>
```



Control Structures – If/Else

```
<?php
$score = 85;
if ($score >= 50) {
    echo "Pass";
} else {
    echo "Fail";
}
?>
```

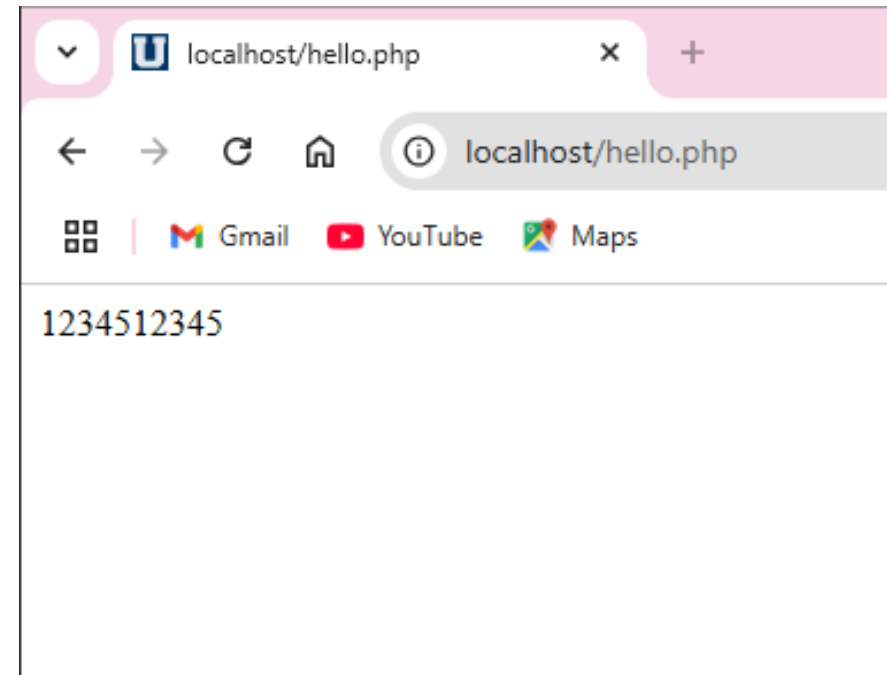


- PHP supports if, else, elseif

Loops in PHP

```
for ($i = 1; $i <= 5; $i++) {  
    echo $i;  
}
```

```
$i = 1;  
while ($i <= 5) {  
    echo $i;  
    $i++;  
}
```



Using HTML Forms with PHP

Click Start Apache (and MySQL if needed).
Visit <http://localhost> in your browser to confirm the server is running.

Using HTML Forms with PHP

Locate the Web Folder

All PHP and HTML files must be placed inside:

UniServerZ\www

This is your root directory. Files here can be accessed via:

<http://localhost/yourfile.php>

Create the HTML Form - Open **Notepad** / ++

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Form Example</title>
```

```
</head>
```

```
<body>
```

```
  <h2>User Form</h2>
```

```
  <form method="post" action="greet.php">
```

```
    Name: <input type="text" name="username"><br><br>
```

```
    <input type="submit" value="Submit">
```

```
  </form>
```

```
</body>
```

```
</html>
```

Save the file as: form.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Form Example</title>
</head>
<body>
  <h2>User Form</h2>
  <form method="post" action="greet.php">
    Name: <input type="text" name="username"><br><br>
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```

Place it in: UniServerZ\www

```
<!DOCTYPE html>
<html>
<head>
  <title>Form Example</title>
</head>
<body>
  <h2>User Form</h2>
  <form method="post" action="greet.php">
    Name: <input type="text" name="username"><br><br>
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```

Create the PHP Script to Process the Form

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = htmlspecialchars($_POST["username"]); //
    basic security
    echo "<h2>Hello, " . $name . "!</h2>";
} else {
    echo "Please submit the form first.";
}
?>
```

Create the PHP Script to Process the Form

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = htmlspecialchars($_POST["username"]); //
    basic security
    echo "<h2>Hello, " . $name . "!</h2>";
} else {
    echo "Please submit the form first.";
}
?>
```

Save the file as: greet.php

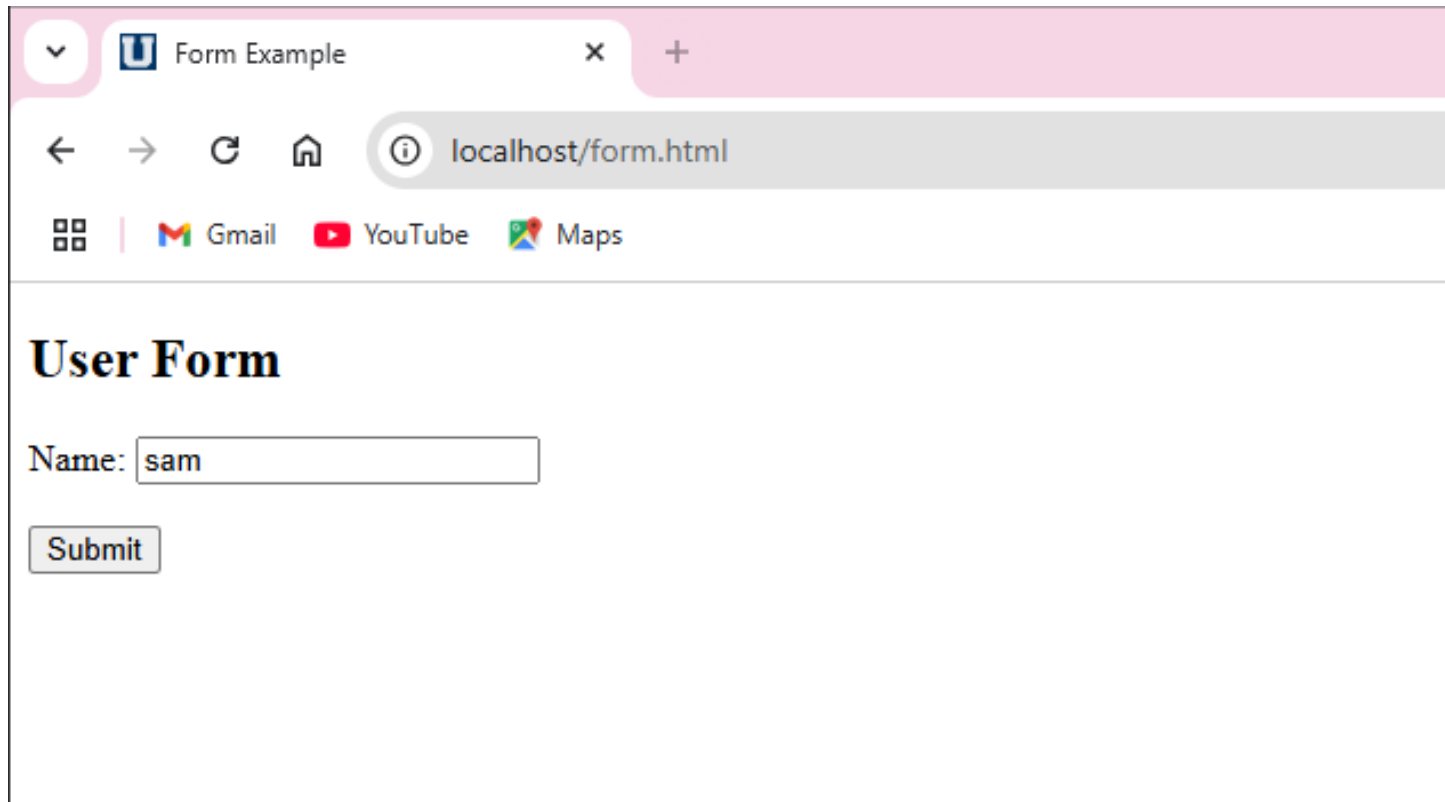
Place it in the same folder: UniServerZ\www

Run the Form in Browser

Open your browser.

Go to:

<http://localhost/form.html>



The screenshot shows a web browser window with a single tab titled 'Form Example'. The address bar displays 'localhost/form.html'. Below the address bar, there are links to 'Gmail', 'YouTube', and 'Maps'. The main content area of the browser shows a form titled 'User Form'. The form has a label 'Name:' followed by a text input field containing the text 'sam'. Below the input field is a 'Submit' button.

User Form

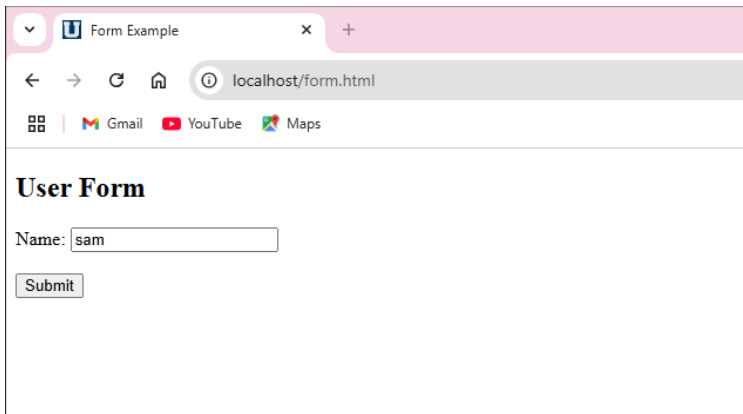
Name:

Run the Form in Browser

Open your browser.

Go to:

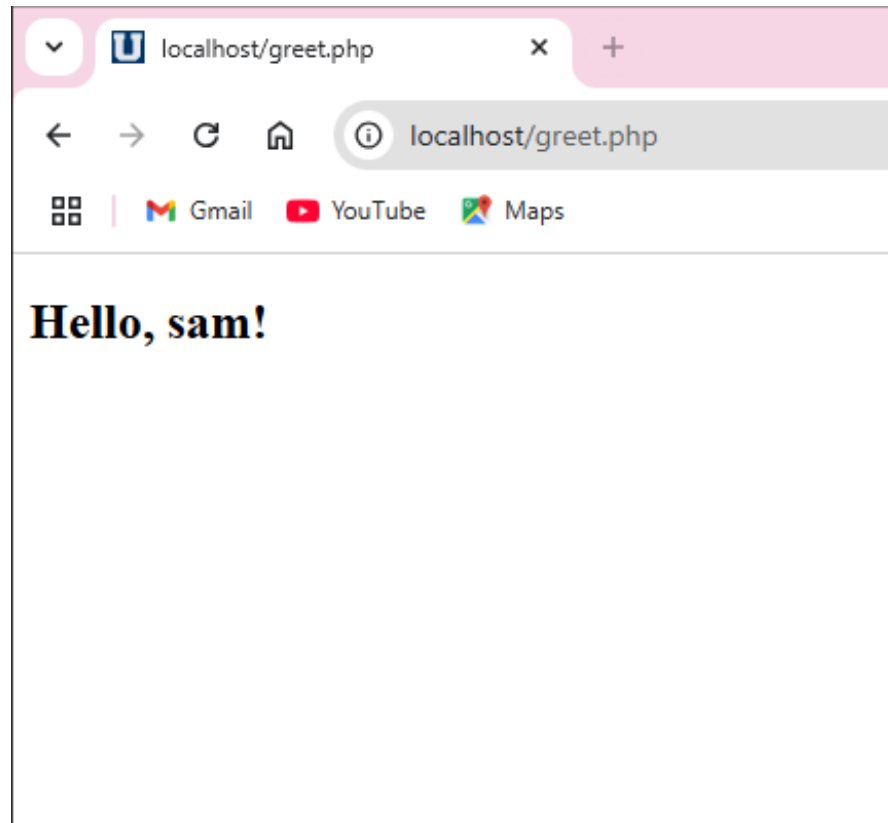
<http://localhost/form.html>



A screenshot of a web browser window. The address bar shows 'localhost/form.html'. The page content includes a title 'User Form', a text input field with the name 'sam', and a 'Submit' button.

User Form

Name:



Activity- simple PHP embedded in HTML

<https://forms.office.com/e/BsTKsRstHA>

