

1 Aim: - Capturing Form Data Dealing with Multi-value field
Generating File uploaded form.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Notepad Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open Notepad code editor.

Then after write PHP code.

Code: -

```
<html>
```

```
<body>
```

```
<form action="" method="post">
```

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

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

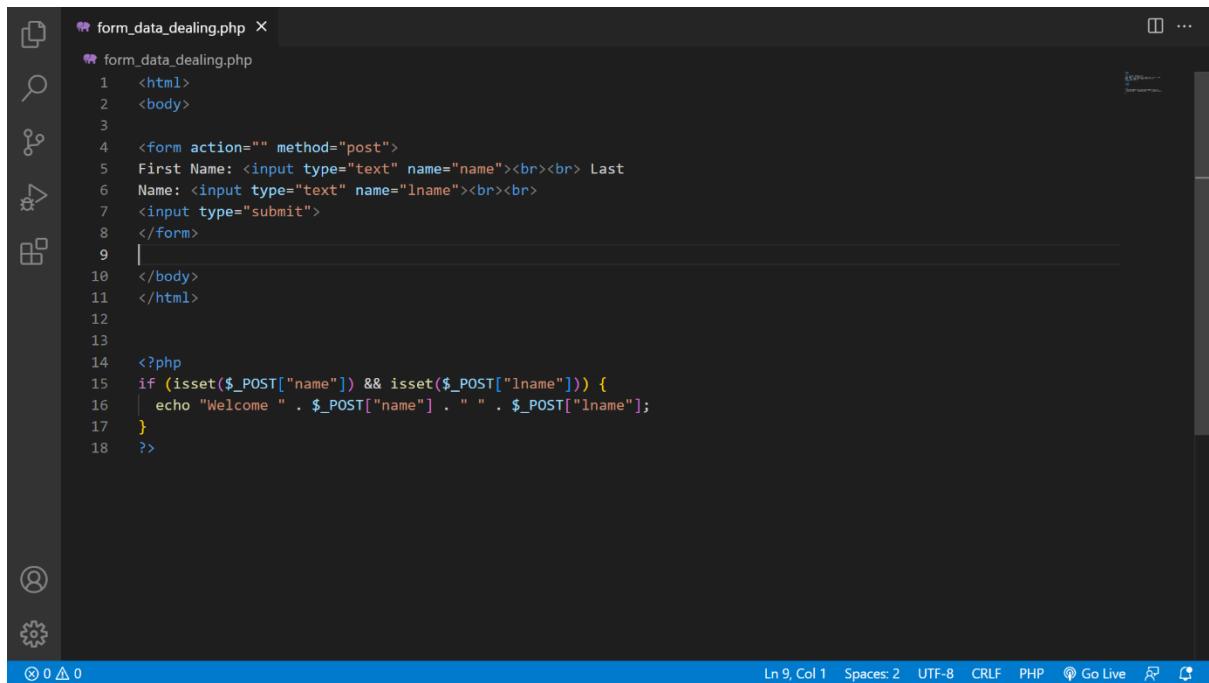
```
<input type="submit">
```

```
</form>
```

```
</body>  
</html>
```

```
<?php  
if (isset($_POST["name"]) && isset($_POST["lname"])) {  
    echo "Welcome " . $_POST["name"] . " " . $_POST["lname"];  
}  
?>
```

Screenshot of code



The screenshot shows a code editor window with a dark theme. The file is named 'form_data_dealing.php'. The code contains HTML for a form and PHP logic to welcome the user with their name and lname. The code is as follows:

```
1  <html>  
2  <body>  
3  
4  <form action="" method="post">  
5  First Name: <input type="text" name="name"><br><br> Last  
6  Name: <input type="text" name="lname"><br><br>  
7  <input type="submit">  
8  </form>  
9  
10 </body>  
11 </html>  
12  
13  
14  <?php  
15  if (isset($_POST["name"]) && isset($_POST["lname"])) {  
16  | echo "Welcome " . $_POST["name"] . " " . $_POST["lname"];  
17  }  
18  ?>
```

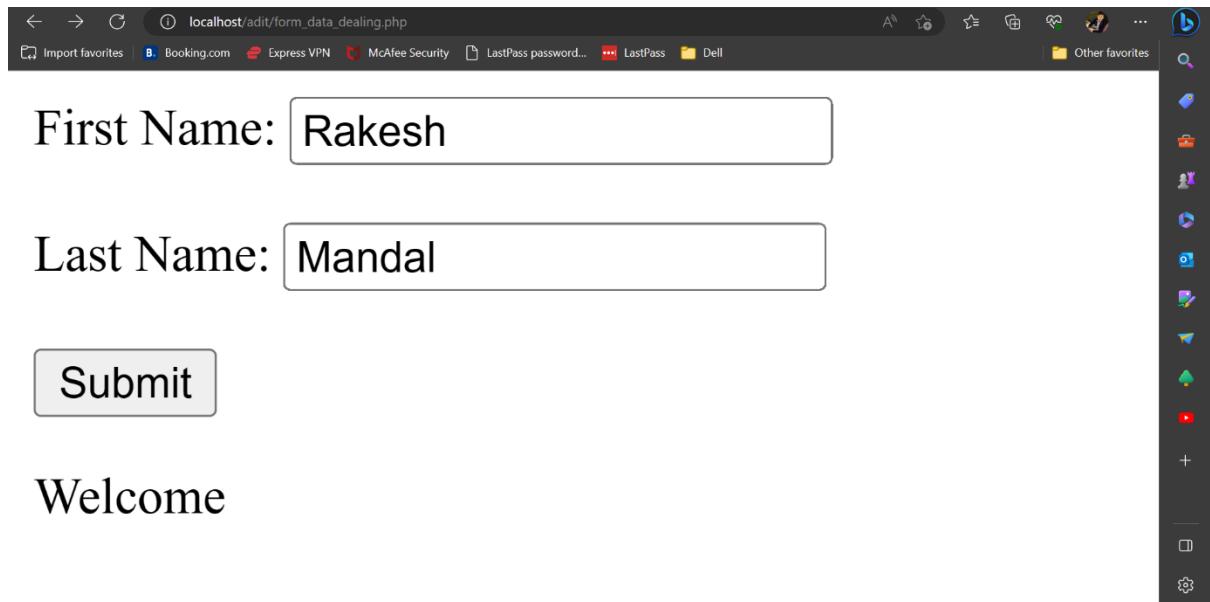
The status bar at the bottom of the editor shows: Ln 9, Col 1 | Spaces: 2 | UTF-8 | CRLF | PHP | Go Live |  

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

After Input the Data

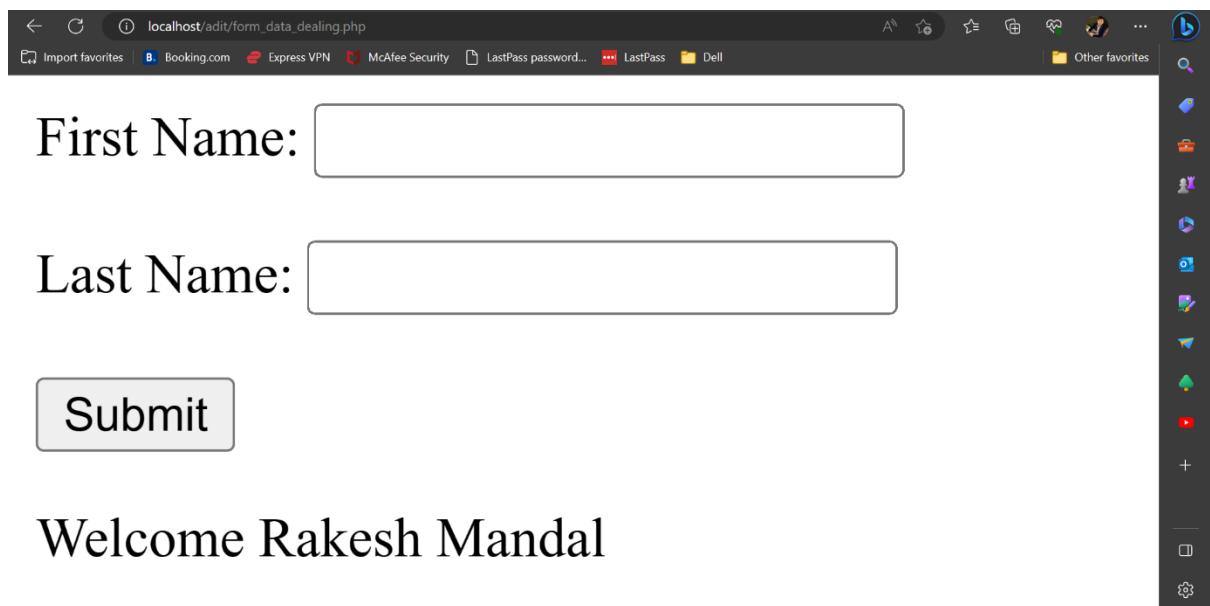


First Name:

Last Name:

Welcome

Output: -



First Name:

Last Name:

Welcome Rakesh Mandal

Code

```
<!DOCTYPE html>
```

```
<html>
<head>
  <title>Document</title>
</head>
<body>
<form action="capturing2.php" method="post">
<h2>What are your favorite soft drink?</h2>
<label>Coke</label>
<input type="checkbox" name="drink[]" value="coke" />
<label>Sprite</label>
<input type="checkbox" name="drink[]" value="sprite" />
<label>Root Beer</label>
<input type="checkbox" name="drink[]" value="root beer" />
<label>Orange Juice</label>
<input type="checkbox" name="drink[]" value="orange juice" />
<label>Apple Juice</label>
<input type="checkbox" name="drink[]" value="apple juice" />
<label>Water</label>
<input type="checkbox" name="drink[]" value="water" />
<h2>What are your favorite soft drink?</h2>
<select name="favor[]" size = "4" multiple = "multiple">
<option value="coke">Coke</option>
<option value="sprite">Sprite</option>
<option value="root beer">Root Beer</option>
```

```

<option value="orange juice">Orange Juice</option>
<option value="apple juice">Apple Juice</option>
<option value="water">Water</option>
</select>

<p>Note that hold a <b>ctrl</b> key to choose more than one item.</p>

<input type="submit" name="submit" id="moveRight" value="Submit" />

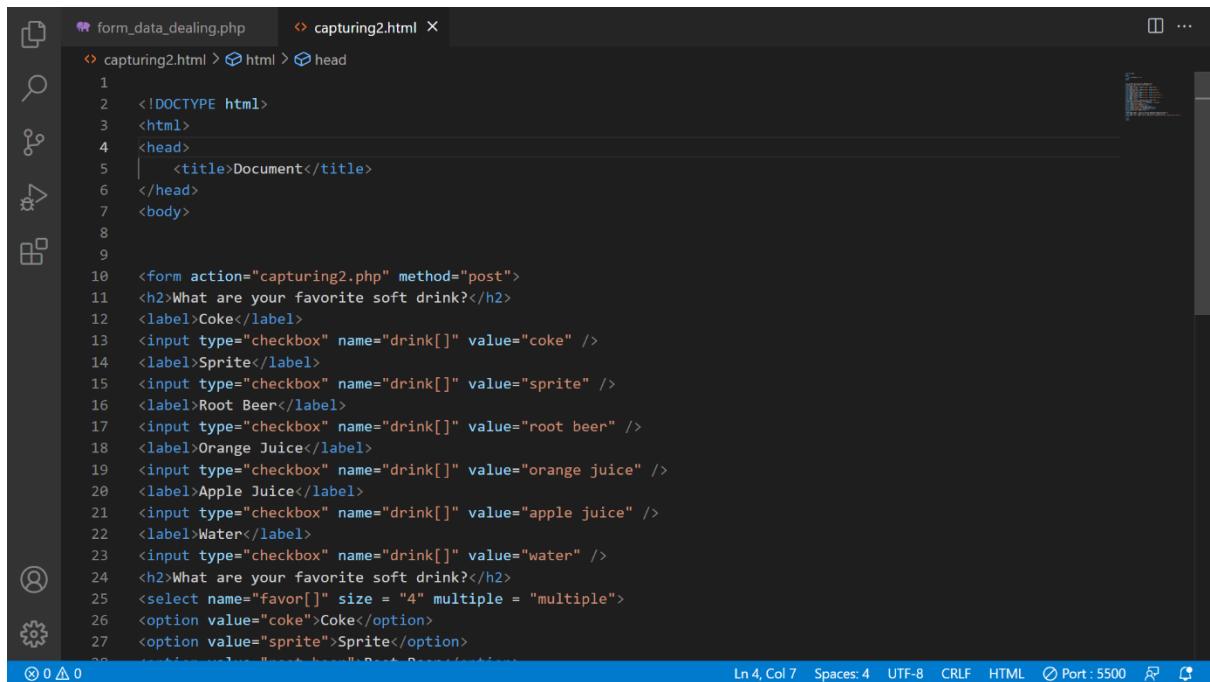
<input type="reset" name="reset" value="Reset" style="margin-left: 20px; display:inline;" />

</form>

</body>
</html>

```

Screenshot of code

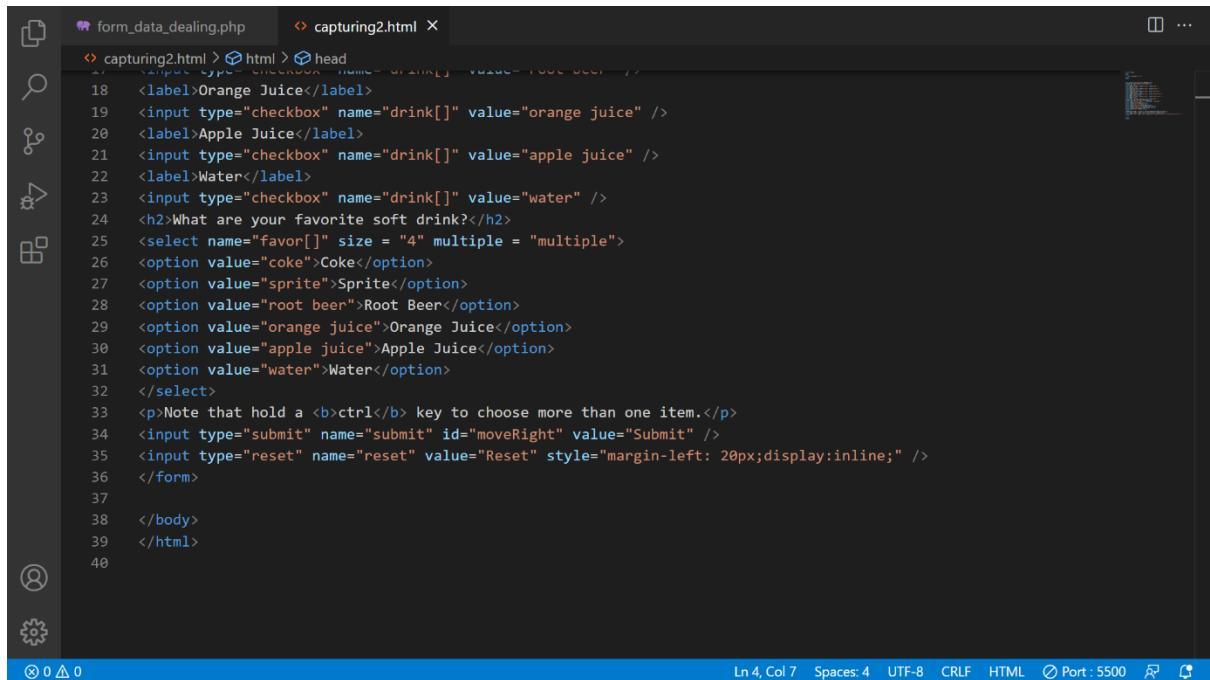


```

form_data_dealing.php  capturing2.html
capturing2.html > html > head
1
2  <!DOCTYPE html>
3  <html>
4  <head>
5  |   <title>Document</title>
6  </head>
7  <body>
8
9
10 <form action="capturing2.php" method="post">
11 <h2>What are your favorite soft drink?</h2>
12 <label>Coke</label>
13 <input type="checkbox" name="drink[]" value="coke" />
14 <label>Sprite</label>
15 <input type="checkbox" name="drink[]" value="sprite" />
16 <label>Root Beer</label>
17 <input type="checkbox" name="drink[]" value="root beer" />
18 <label>Orange Juice</label>
19 <input type="checkbox" name="drink[]" value="orange juice" />
20 <label>Apple Juice</label>
21 <input type="checkbox" name="drink[]" value="apple juice" />
22 <label>Water</label>
23 <input type="checkbox" name="drink[]" value="water" />
24 <h2>What are your favorite soft drink?</h2>
25 <select name="favor[]" size = "4" multiple = "multiple">
26 <option value="coke">Coke</option>
27 <option value="sprite">Sprite</option>
28 <option value="water">Root Beer</option>
29 <option value="orange juice">Orange Juice</option>
30 <option value="apple juice">Apple Juice</option>

```

Ln 4, Col 7 Spaces: 4 UFT-8 CRLF HTML Port: 5500



The screenshot shows a code editor with two tabs: 'form_data_dealing.php' and 'capturing2.html'. The 'capturing2.html' tab is active, displaying the following HTML code:

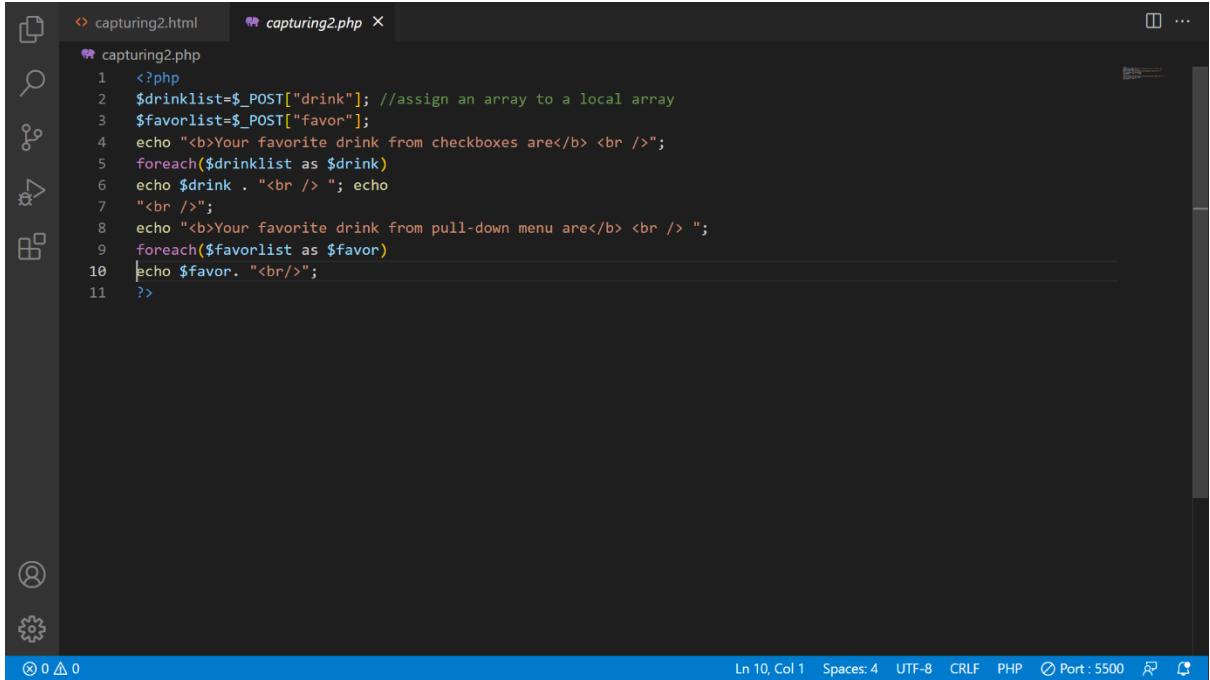
```
<?php
$drinklist=$_POST["drink"]; //assign an array to a local array
$favorlist=$_POST["favor"];
echo "<b>Your favorite drink from checkboxes are</b> <br />";
foreach($drinklist as $drink)
echo $drink . "<br />"; echo
"<br />";
echo "<b>Your favorite drink from pull-down menu are</b> <br /> ";
foreach($favorlist as $favor)
echo $favor. "<br/>";
?>
```

The code includes PHP tags and HTML for a form. It uses checkboxes for multiple selection and a dropdown menu for single selection. The PHP code then outputs the selected items.

PHP code

```
<?php
$drinklist=$_POST["drink"]; //assign an array to a local array
$favorlist=$_POST["favor"];
echo "<b>Your favorite drink from checkboxes are</b> <br />";
foreach($drinklist as $drink)
echo $drink . "<br />"; echo
"<br />";
echo "<b>Your favorite drink from pull-down menu are</b> <br /> ";
foreach($favorlist as $favor)
echo $favor. "<br/>";
?>
```

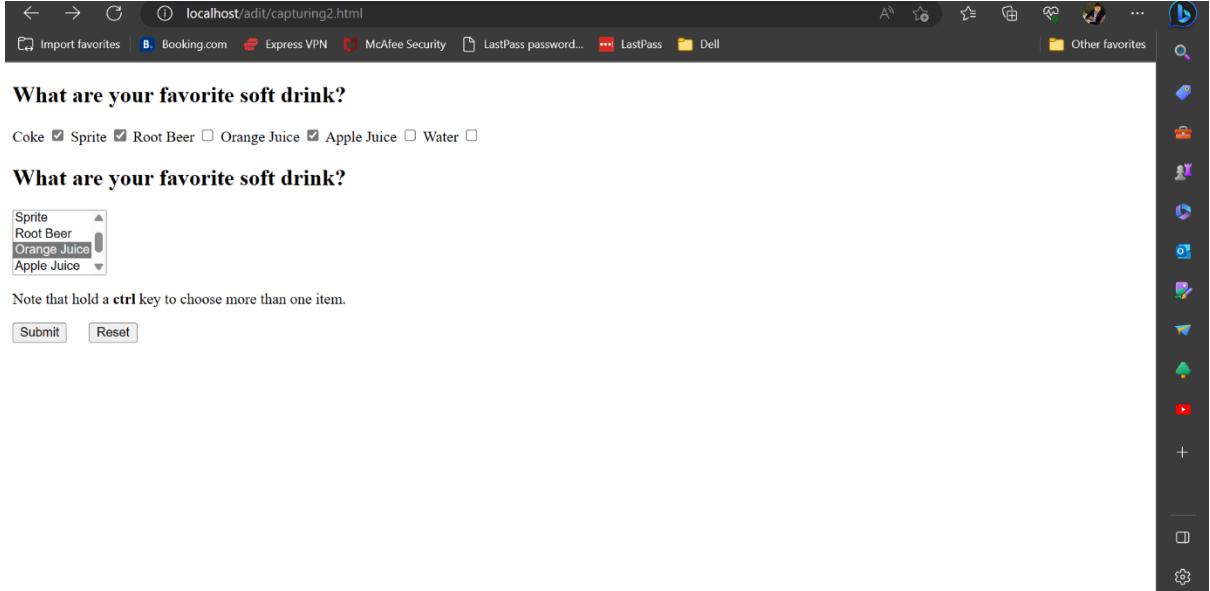
Screenshot of php code



```
<?php
$drinklist=$_POST["drink"]; //assign an array to a local array
$favorlist=$_POST["favor"];
echo "<b>Your favorite drink from checkboxes are</b> <br />";
foreach($drinklist as $drink)
echo $drink . "<br /> "; echo
"<br />";
echo "<b>Your favorite drink from pull-down menu are</b> <br /> ";
foreach($favorlist as $favor)
echo $favor. "<br/>";
?>
```

Ln 10, Col 1 Spaces: 4 UTF-8 CRLF PHP Port: 5500

Select the Data



localhost/adit/capturing2.html

What are your favorite soft drink?

Coke Sprite Root Beer Orange Juice Apple Juice Water

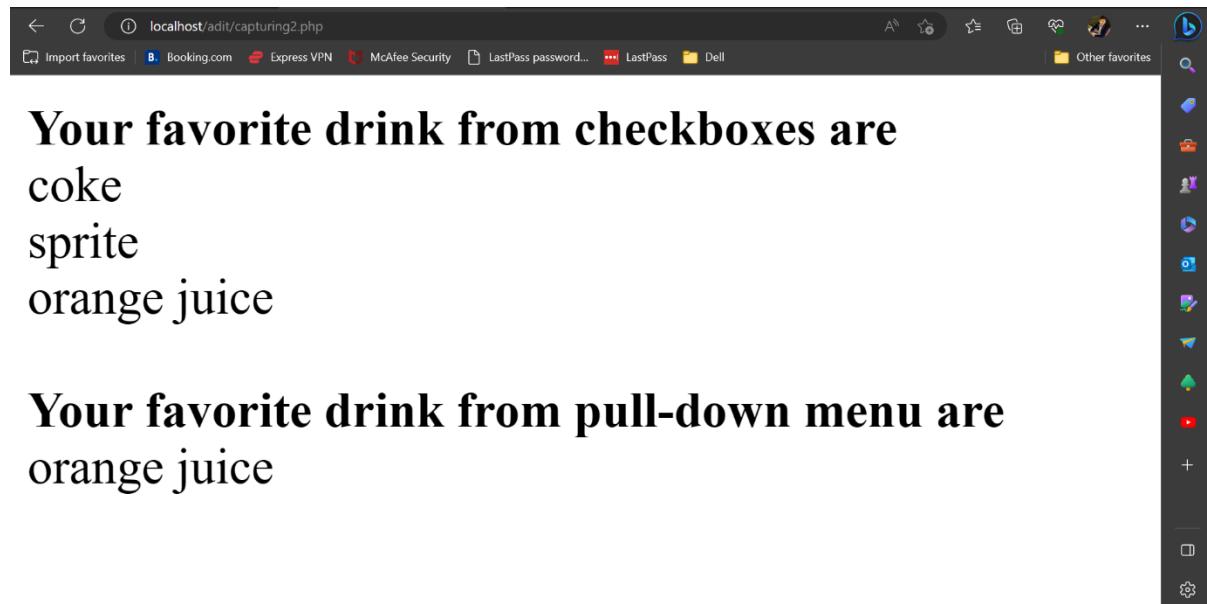
What are your favorite soft drink?

Sprite
Root Beer
Orange Juice
Apple Juice

Note that hold a **ctrl** key to choose more than one item.

Submit Reset

Output of selected data



Code

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<form action="imageuploade.php" method="post" enctype="multipart/form-data">
```

```
    Select image to upload:
```

```
    <input type="file" name="fileToUpload" id="fileToUpload">
```

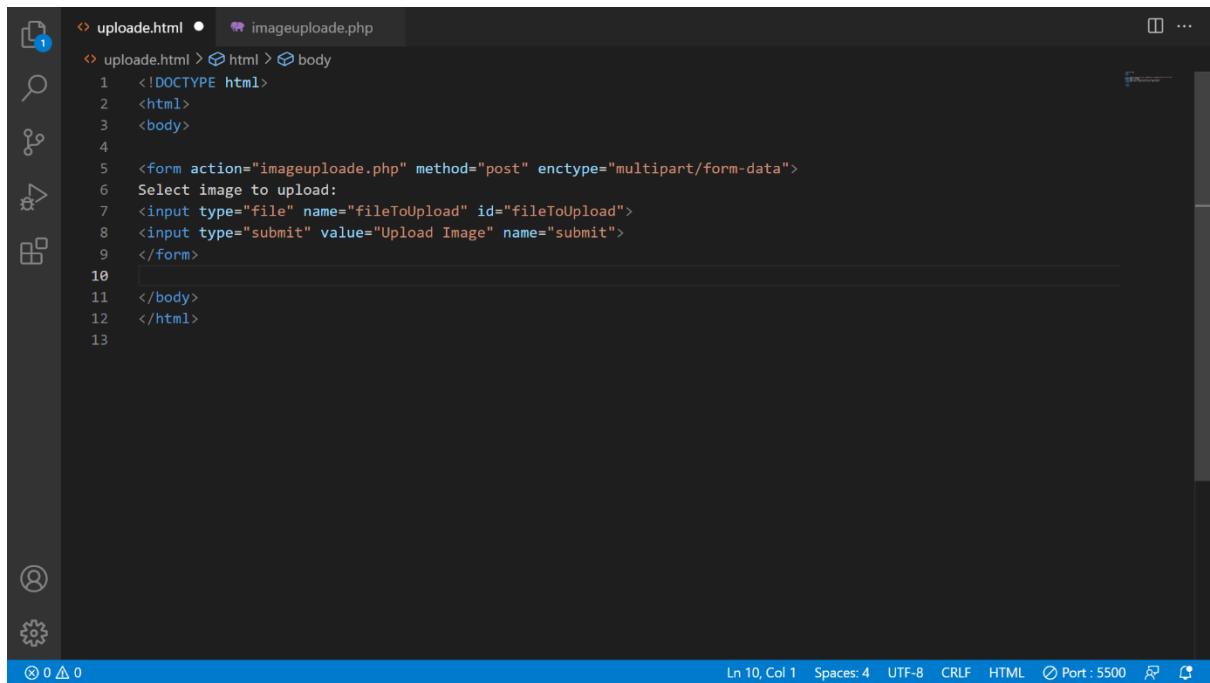
```
    <input type="submit" value="Upload Image" name="submit">
```

```
  </form>
```

```
</body>
```

```
</html>
```

Screenshot of html code



The screenshot shows a code editor interface with a dark theme. The left sidebar contains icons for file operations like open, save, and search. The main area displays the following HTML code:

```
<!DOCTYPE html>
<html>
<body>
<form action="imageuploade.php" method="post" enctype="multipart/form-data">
<input type="file" name="fileToUpload" id="fileToUpload">
<input type="submit" value="Upload Image" name="submit">
</form>
</body>
</html>
```

The status bar at the bottom shows: Ln 10, Col 1 | Spaces: 4 | UTF-8 | CRLF | HTML | Port: 5500 |  

Php code

```
<!-- File upload php file -->

<?php

$target_dir = "uploads/";

$target_file = $target_dir .
basename($_FILES["fileToUpload"]["name"]);

$uploadOk = 1;

$imageFileType =
strtolower(pathinfo($target_file,PATHINFO_EXTENSION));

// Check if image file is a actual image or fake image

if(isset($_POST["submit"])) {
```

```

$check = getimagesize($_FILES["fileToUpload"]["tmp_name"]);

if($check !== false) {

echo "File is an image - " . $check["mime"] . ".";

$uploadOk = 1;

} else {

echo "File is not an image.";

$uploadOk = 0;

}

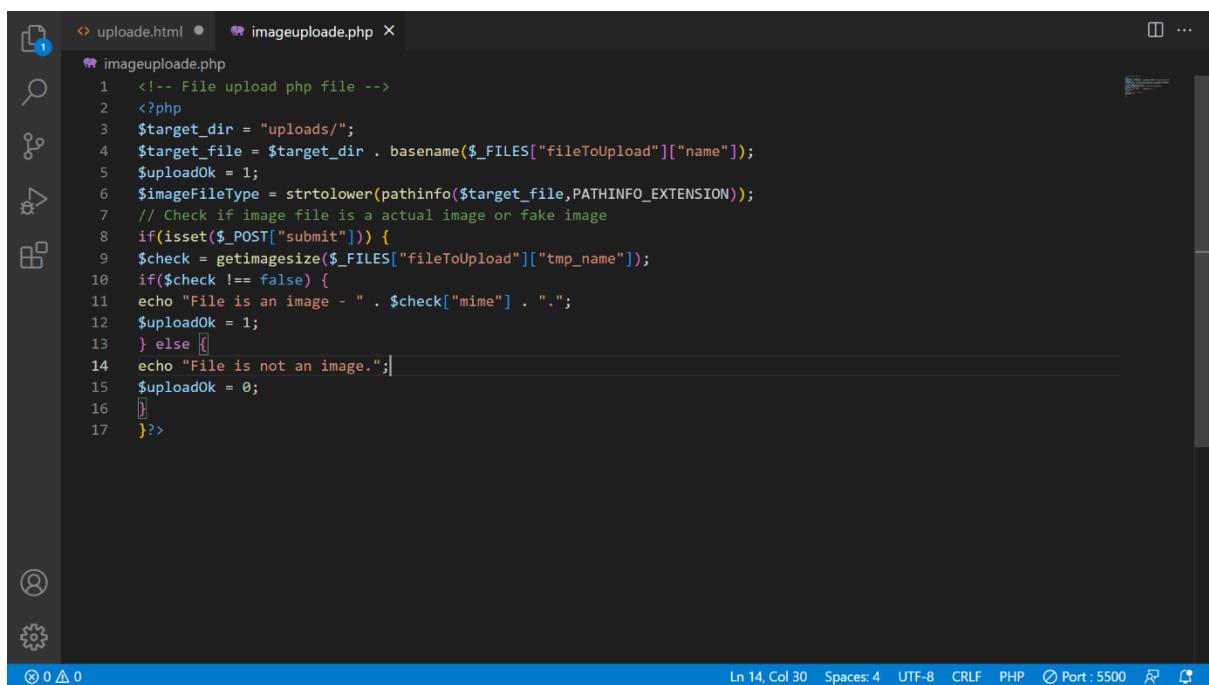
}

?

?

```

Screenshot of php code



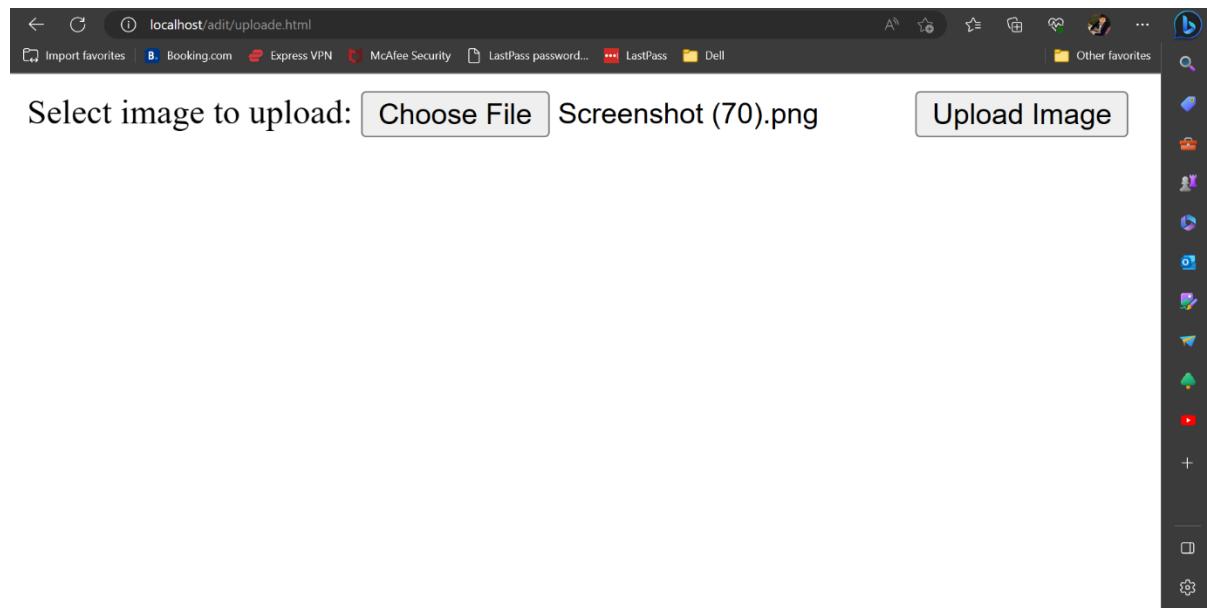
The screenshot shows a code editor interface with a dark theme. The left sidebar contains icons for file operations like new, open, save, and search. The main area displays a PHP script named 'imageupload.php'. The code checks if a file is an image by using the `getimagesize` function on the temporary file name. If it's an image, \$uploadOk is set to 1 and an echo statement displays the file's mime type. If it's not an image, \$uploadOk is set to 0 and an echo statement displays 'File is not an image.'. The code editor's status bar at the bottom shows the current line (Ln 14), column (Col 30), and other settings like spaces (4), encoding (UTF-8), and file type (PHP). The port number (5500) is also visible.

```

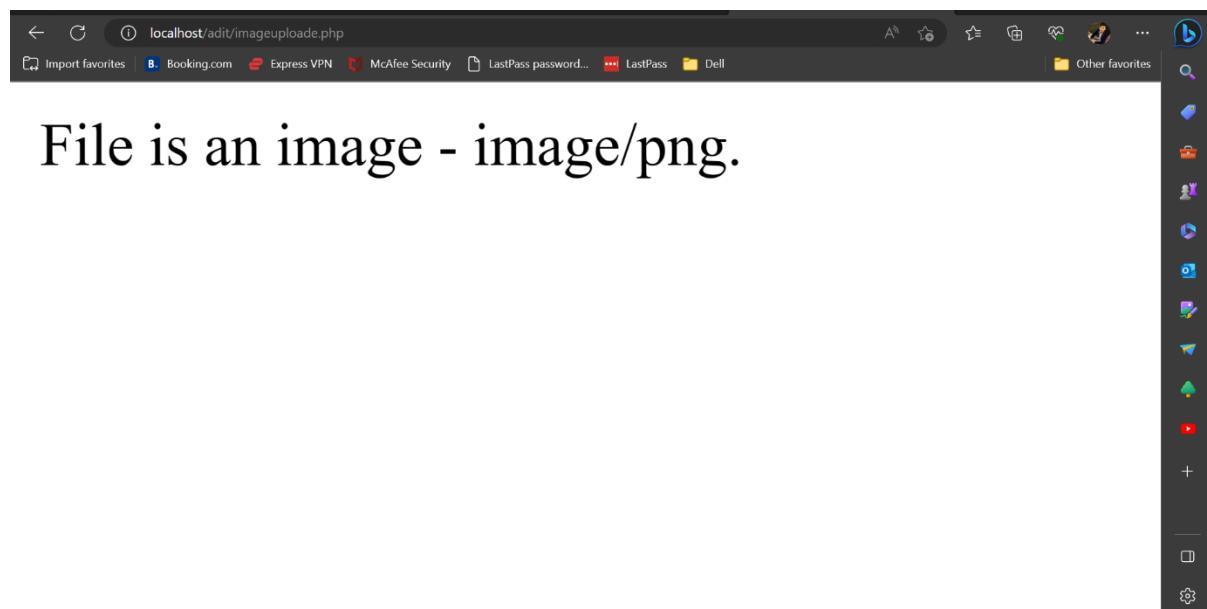
1 <!-- File upload php file -->
2 <?php
3 $target_dir = "uploads/";
4 $target_file = $target_dir . basename($_FILES["fileToUpload"]["name"]);
5 $uploadOk = 1;
6 $imageFileType = strtolower(pathinfo($target_file,PATHINFO_EXTENSION));
7 // Check if image file is a actual image or fake image
8 if(isset($_POST["submit"])){
9 $check = getimagesize($_FILES["fileToUpload"]["tmp_name"]);
10 if($check !== false) {
11 echo "File is an image - " . $check["mime"] . ".";
12 $uploadOk = 1;
13 } else {
14 echo "File is not an image..";
15 $uploadOk = 0;
16 }
17 }?>

```

Select the image



Output of selected image details



2 Aim: -Redirecting a from after submission.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>
<html>
<head>
  <title>Document</title>
</head>
<body>
  <form action="https://facebook.com" method="POST">
```

```

<input type="hidden" name="fullname" value="Rakesh Kumar"
/>

<input type="hidden" name="address" value="Vidyanagar, 2,
500007" />

<input type="submit" value="Submit request" />

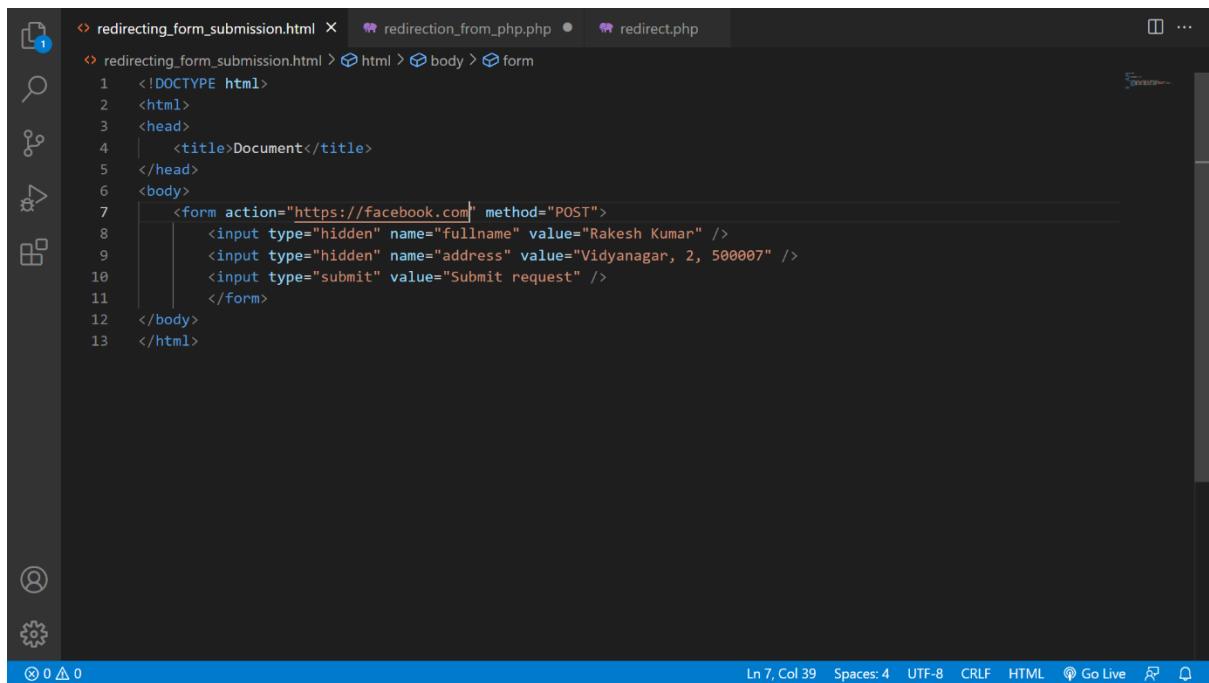
</form>

</body>

</html>

```

Screenshot of code



```

1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>Document</title>
5  </head>
6  <body>
7  |   <form action="https://facebook.com" method="POST">
8  |       <input type="hidden" name="fullname" value="Rakesh Kumar" />
9  |       <input type="hidden" name="address" value="Vidyanagar, 2, 500007" />
10 |       <input type="submit" value="Submit request" />
11 |   </form>
12 </body>
13 </html>

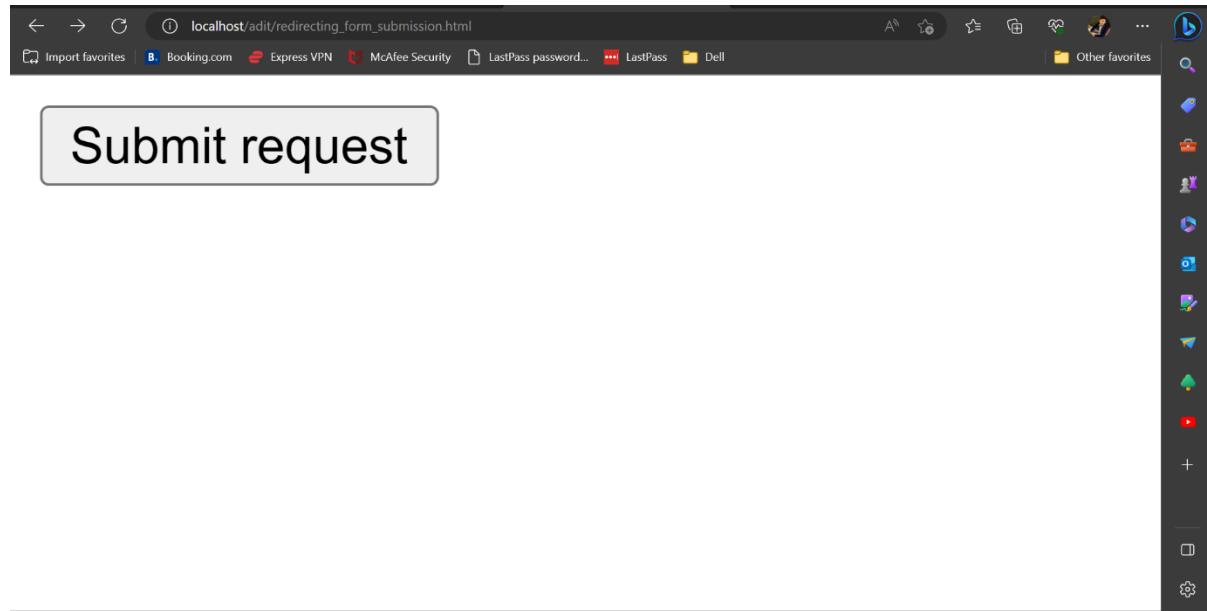
```

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -

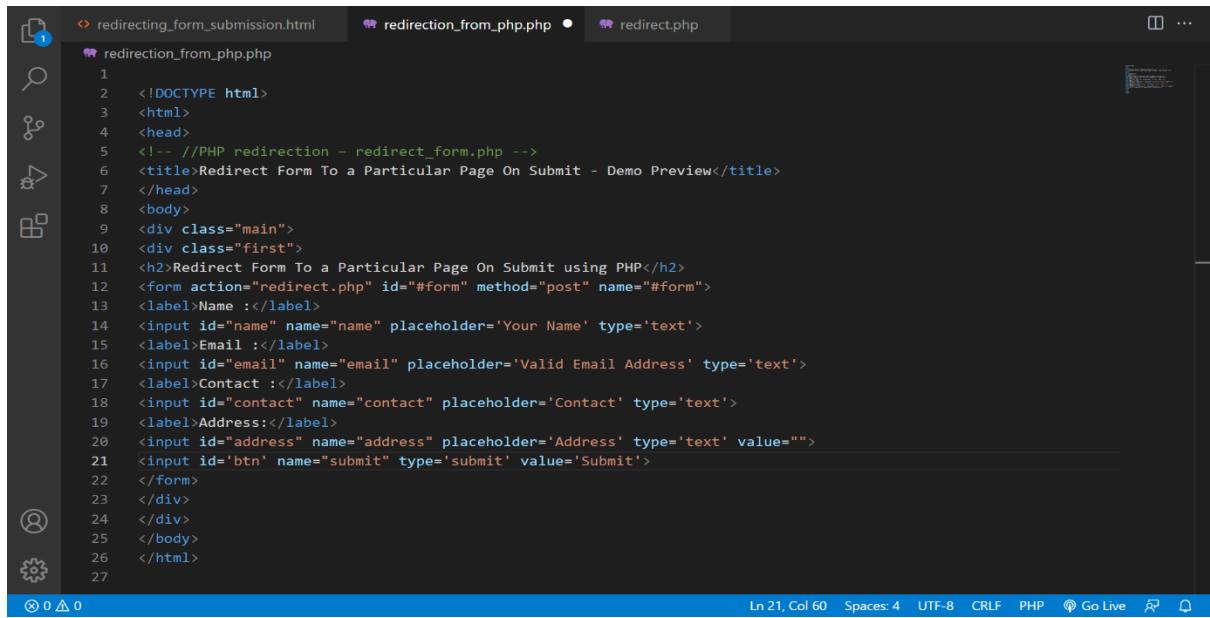


Code

```
<!DOCTYPE html>

<html>
<head>
<!-- //PHP redirection – redirect_form.php -->
<title>Redirect Form To a Particular Page On Submit - Demo Preview</title>
</head>
<body>
<div class="main">
<div class="first">
<h2>Redirect Form To a Particular Page On Submit using PHP</h2>
<form action="redirect.php" id="#form" method="post" name="#form">
```

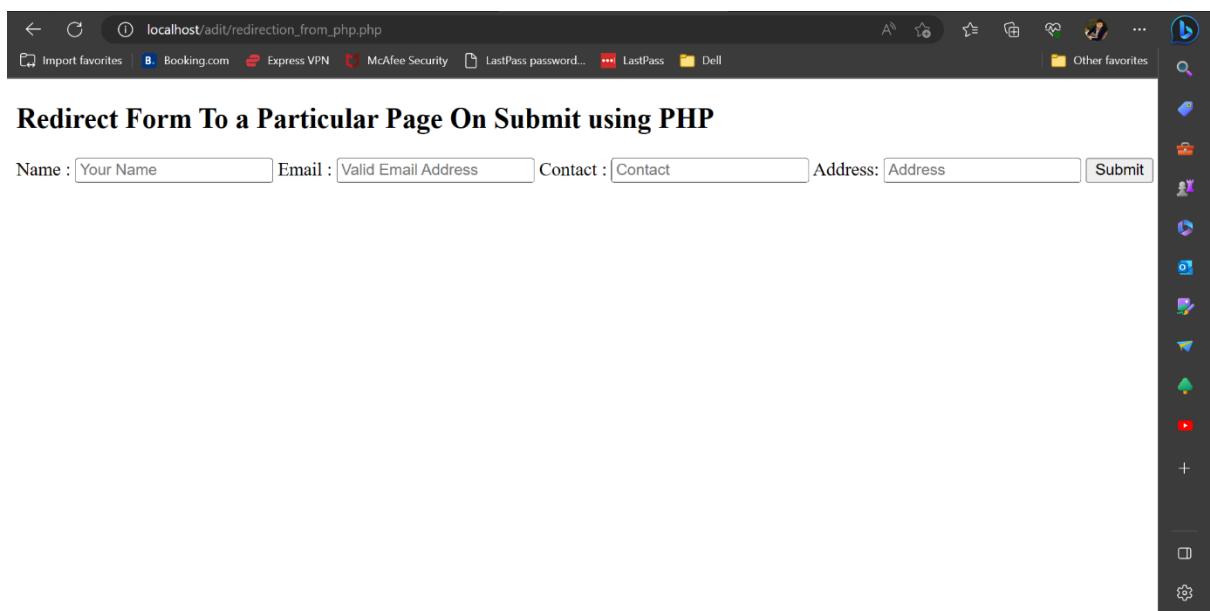
```
<label>Name :</label>  
<input id="name" name="name" placeholder='Your Name'  
type='text'>  
  
<label>Email :</label>  
  
<input id="email" name="email" placeholder='Valid Email Address'  
type='text'>  
  
<label>Contact :</label>  
  
<input id="contact" name="contact" placeholder='Contact'  
type='text'>  
  
<label>Address:</label>  
  
<input id="address" name="address" placeholder='Address'  
type='text' value="">  
  
<input id='btn' name="submit" type='submit' value='Submit'>  
  
</form>  
  
</div>  
  
</div>  
  
</body>  
</html> Screenshot of code
```



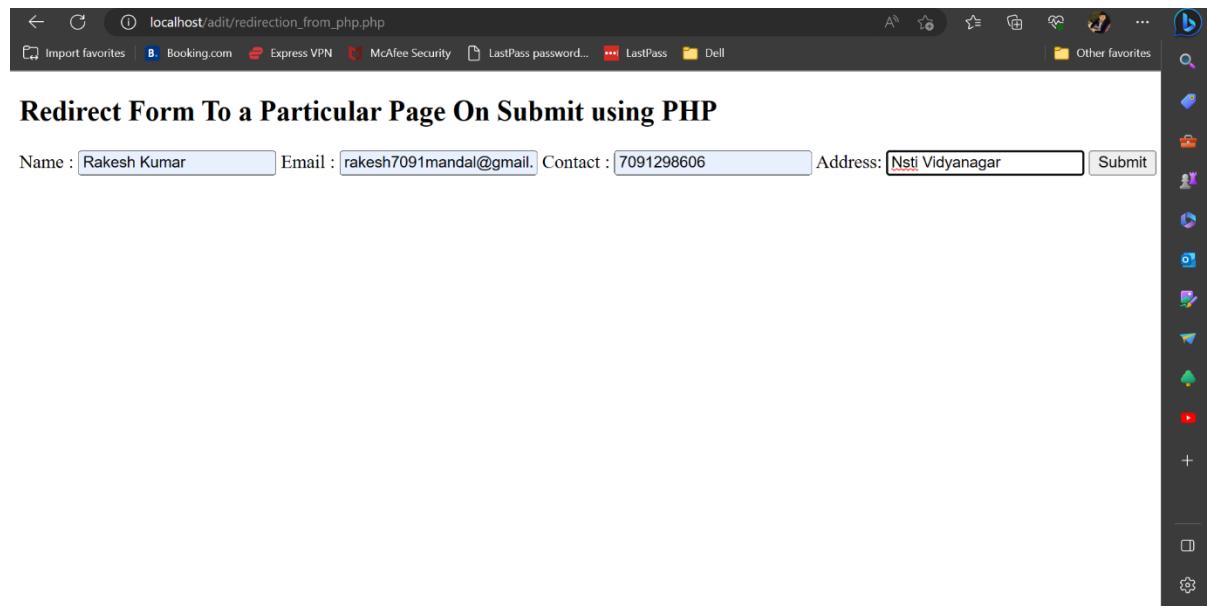
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <!-- //PHP redirection - redirect_form.php -->
5 <title>Redirect Form To a Particular Page On Submit - Demo Preview</title>
6 </head>
7 <body>
8 <div class="main">
9 <div class="first">
10 <h2>Redirect Form To a Particular Page On Submit using PHP</h2>
11 <form action="redirect.php" id="#form" method="post" name="#form">
12 <label>Name :</label>
13 <input id="name" name="name" placeholder='Your Name' type='text'>
14 <label>Email :</label>
15 <input id="email" name="email" placeholder='Valid Email Address' type='text'>
16 <label>Contact :</label>
17 <input id="contact" name="contact" placeholder='Contact' type='text'>
18 <label>Address:</label>
19 <input id="address" name="address" placeholder='Address' type='text' value="">
20 <input id='btn' name="submit" type='submit' value='Submit'>
21 </form>
22 </div>
23 </div>
24 </body>
25 </html>
26
```

Ln 21, Col 60 Spaces: 4 UTF-8 CRLF PHP Go Live

Output of code



Fill the form



localhost/adit/redirection_from_php.php

Name : Email : Contact : Address:

3 Aim: -Capturing Form Data Dealing with Multi-value field
Generating File uploaded from.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

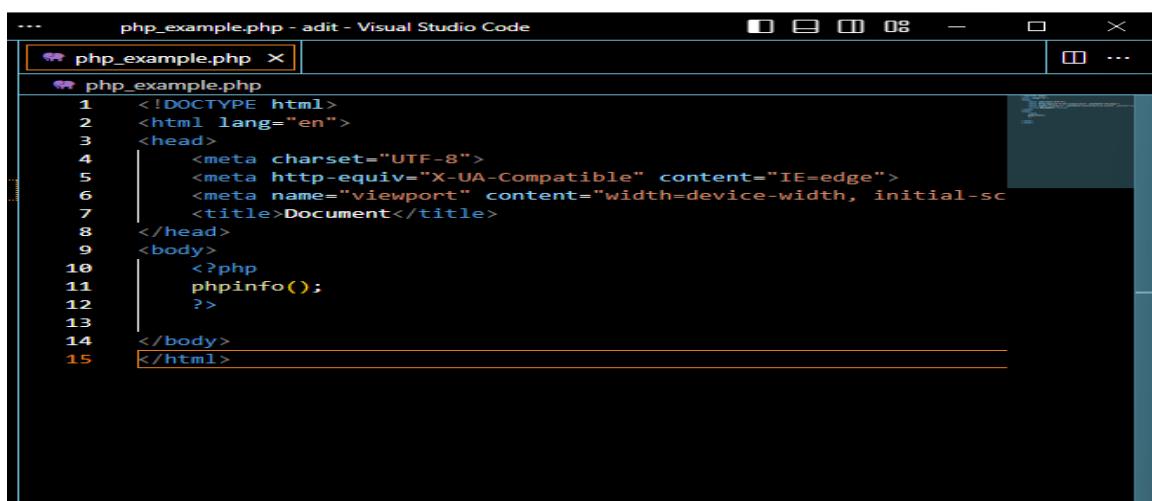
Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<?php  
phpinfo();  
?>
```

Screenshot of code



The screenshot shows a Visual Studio Code window with a dark theme. The title bar says "php_example.php - adit - Visual Studio Code". The code editor contains the following PHP code:

```
1  <!DOCTYPE html>  
2  <html lang="en">  
3  <head>  
4      <meta charset="UTF-8">  
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">  
6      <meta name="viewport" content="width=device-width, initial-sc  
7      <title>Document</title>  
8  </head>  
9  <body>  
10     <?php  
11     phpinfo();  
12     ?>  
13  
14  </body>  
15  </html>
```

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -

localhost/adit/php_example.php

PHP Version 8.2.0

System	Windows NT RAKESH 10.0 build 22621 (Windows 11) AMD64
Build Date	Dec 6 2022 15:26:23
Build System	Microsoft Windows Server 2019 Datacenter [10.0.17763]
Compiler	Visual C++ 2019
Architecture	x64
Configure Command	./configure --enable-snapshot-build --enable-debug-pack --with-pdo-oci=..\\..\\instantclient\\shared --with-oci8-19=..\\..\\instantclient\\shared --enable-object-out-dir=..\\obj --enable-com-donet=shared --without-analyzer --with-pgo
Server API	Apache 2.0 Handler
Virtual Directory Support	enabled
Configuration File (php.ini) Path	no value
Loaded Configuration File	C:\\xampp\\php\\php.ini
Scan this dir for additional .ini files	(none)
Additional .ini files parsed	(none)
PHP API	20220829
PHP Extension	20220829
Zend Extension	420220829
Zend Extension Build	API420220829,TS,VS16
PHP Extension Build	API20220829,TS,VS16
Debug Build	no
Thread Safety	enabled
Thread API	Windows Threads
Zend Signal Handling	disabled
Zend Memory Manager	enabled
Zend Multibyte Support	provided by mbstring
IPv6 Support	enabled
DTrace Support	disabled
Registered PHP Streams	php, file, glob, data, http, ftp, compress.zlib, compress.bzip2, https, ftps, phar
Registered Stream Socket Transports	tcp, udp, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2, tlsv1.3
Registered Stream Filters	convert.iconv.*, string.rot13, string.toupper, string.tolower, convert.*, consumed, dechunk, zlib.*, bzip2.*

This program makes use of the Zend Scripting Language Engine:
Zend Engine v4.2.0, Copyright (c) Zend Technologies

zend engine

Configuration

apache2handler

Apache Version	Apache/2.4.54 (Win64) OpenSSL/1.1.1p PHP/8.2.0
Apache API Version	20120211
Server Administrator	postmaster@localhost

4 Aim: - Write a PHP script to display the strings.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Notepad Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open Notepad code editor.

Then after write PHP code.

Code: -

```
<html>
<head>
<title>display the strings</title>
```

```

</Head>

<body>

<?php

echo strtolower("Hello WORLD.<br>"); echo
strtoupper("HelloWORLD!<br>"); echo "Php
Strings."."\n";
echo "This is a bad command : del c:\*.*."\n"; echo
lcfirst("Hello world!<br>");
$str = "Hello"; echo
md5($str);

$arr = array('Hello','World!','Beautiful','Day!'); echo
join(" ",$arr);

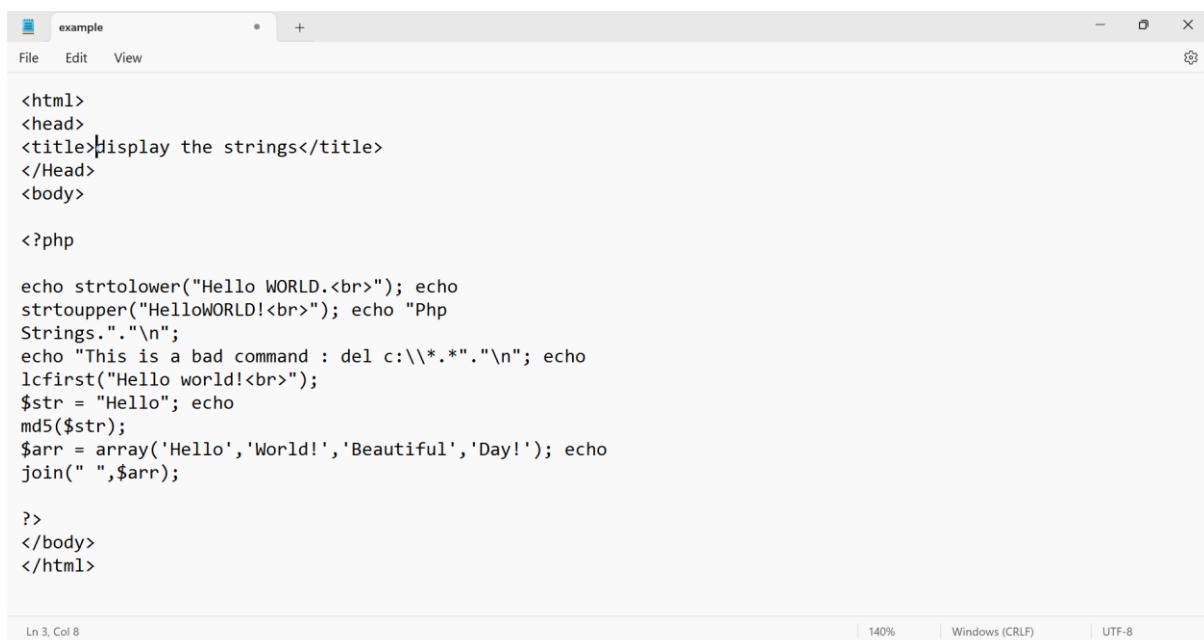
?>

</body>

</html>

```

Screenshot of code



The screenshot shows a code editor window titled 'example'. The file content is as follows:

```

<html>
<head>
<title>Display the strings</title>
</head>
<body>

<?php

echo strtolower("Hello WORLD.<br>"); echo
strtoupper("HelloWORLD!<br>"); echo "Php
Strings."."\n";
echo "This is a bad command : del c:\*.*."\n"; echo
lcfirst("Hello world!<br>");
$str = "Hello"; echo
md5($str);

$arr = array('Hello','World!','Beautiful','Day!'); echo
join(" ",$arr);

?>
</body>
</html>

```

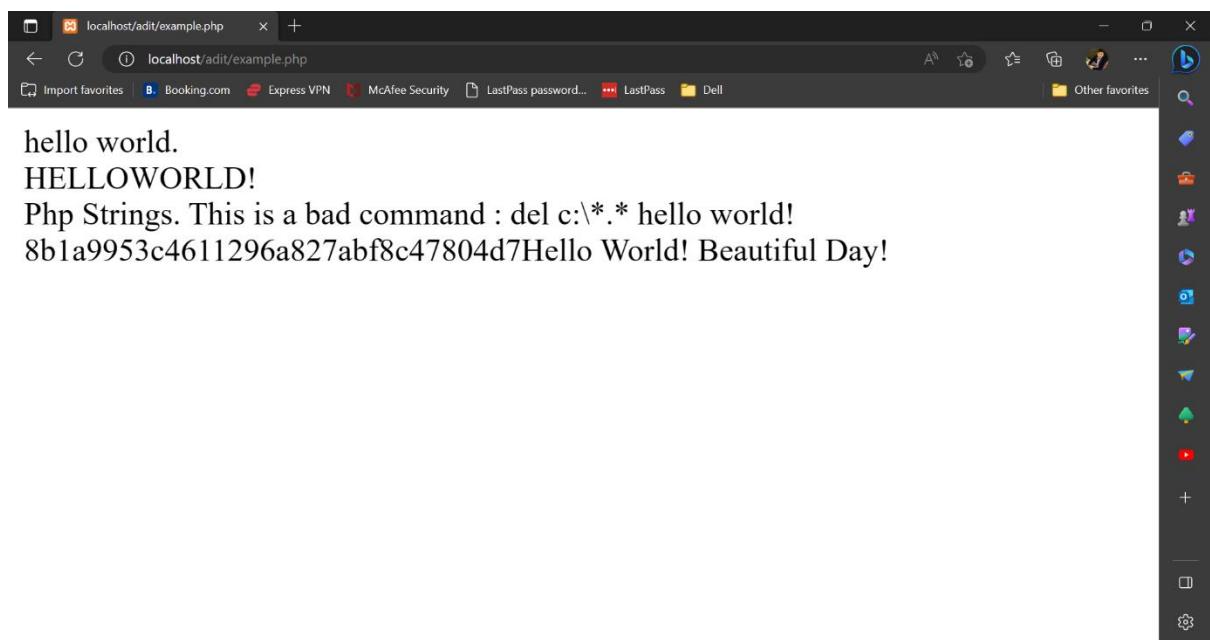
The code includes various PHP functions like strtolower, strtoupper, lcfirst, md5, and join, as well as some echo statements and a file deletion command. The code editor interface includes a toolbar with 'File', 'Edit', and 'View' buttons, and a status bar at the bottom showing 'Ln 3, Col 8', '140%', 'Windows (CRLF)', and 'UTF-8'.

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



5 **Aim:** - Create a simple HTML form and accept the user name and display the name through PHP echo statement

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after Visual Studio code editor.

Then after write PHP code.

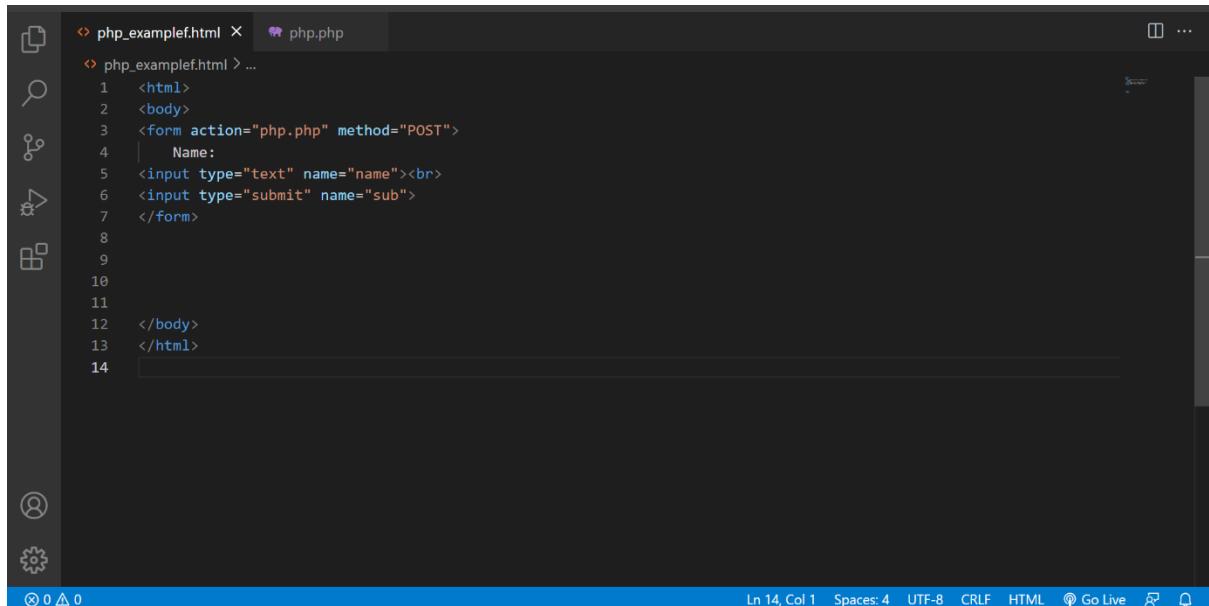
Html Code:

```
<html>
<body>
<form action="php.php" method="POST">
    Name:
    <input type="text" name="name"><br>
    <input type="submit" name="sub">
</form>
```

```
</body>
```

```
</html>
```

Screenshot of Html code



A screenshot of a code editor interface. The left sidebar shows icons for file operations like copy, paste, search, and refresh. The main editor area has two tabs: 'php_examplef.html' (active) and 'php.php'. The code in 'php_examplef.html' is:

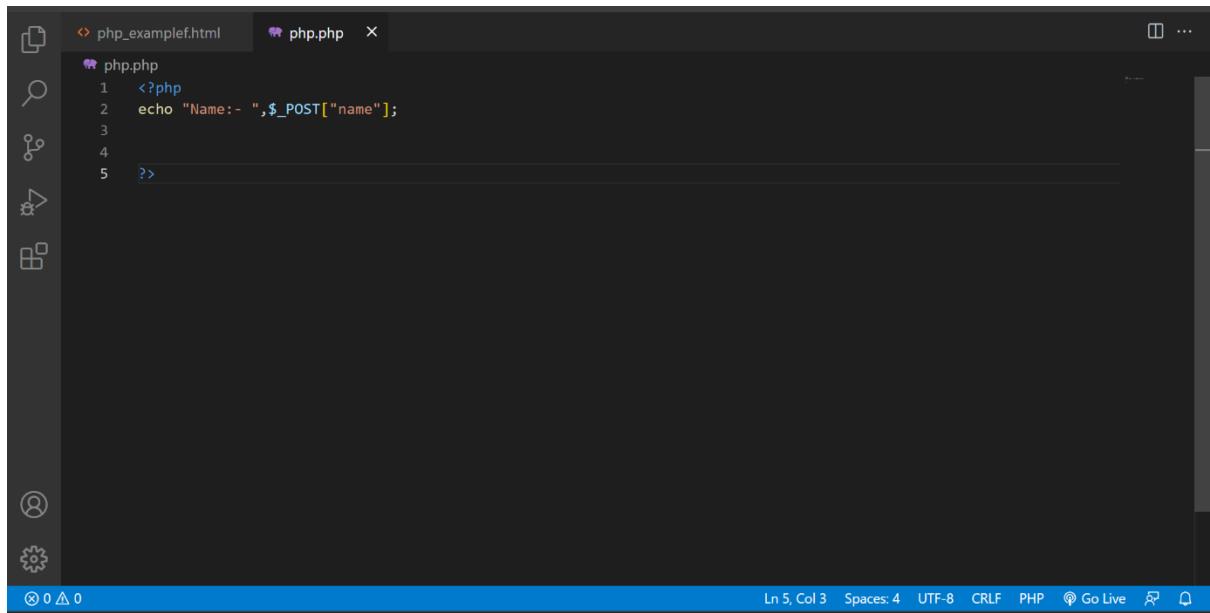
```
1 <html>
2 <body>
3 <form action="php.php" method="POST">
4 |   Name:
5 <input type="text" name="name"><br>
6 <input type="submit" name="sub">
7 </form>
8
9
10
11
12 </body>
13 </html>
14
```

The status bar at the bottom shows: Ln 14, Col 1 | Spaces: 4 | UTF-8 | CRLF | HTML | Go Live |  

Php Code: -

```
<?php
echo "Name: - ",$_POST["name"];
?>
```

Screenshot of Html code



```
php.php
1 <?php
2 echo "Name:- ", $_POST["name"];
3
4
5 ?>
```

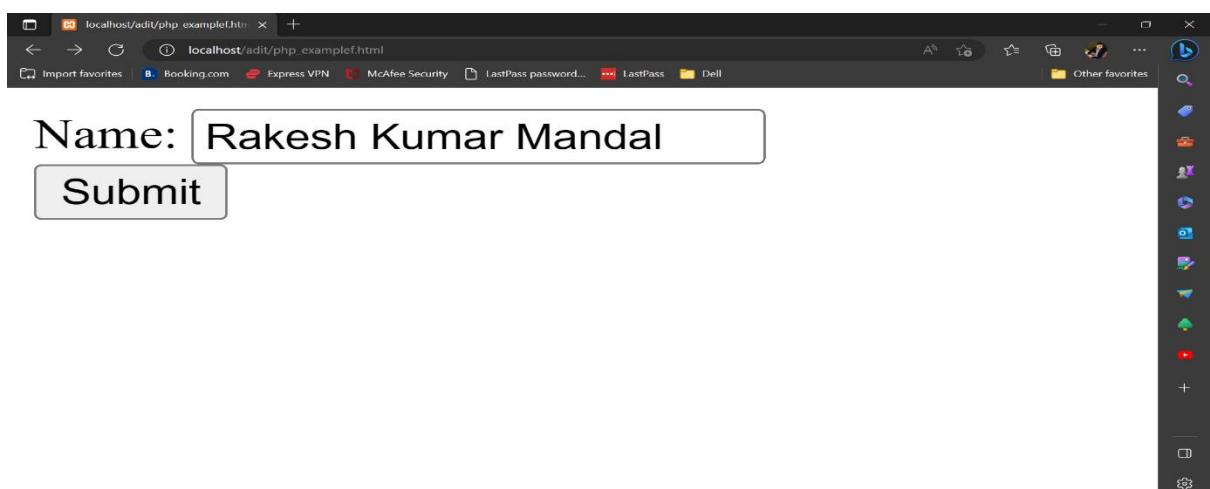
Then after executed code: -

After go to browser and search: -

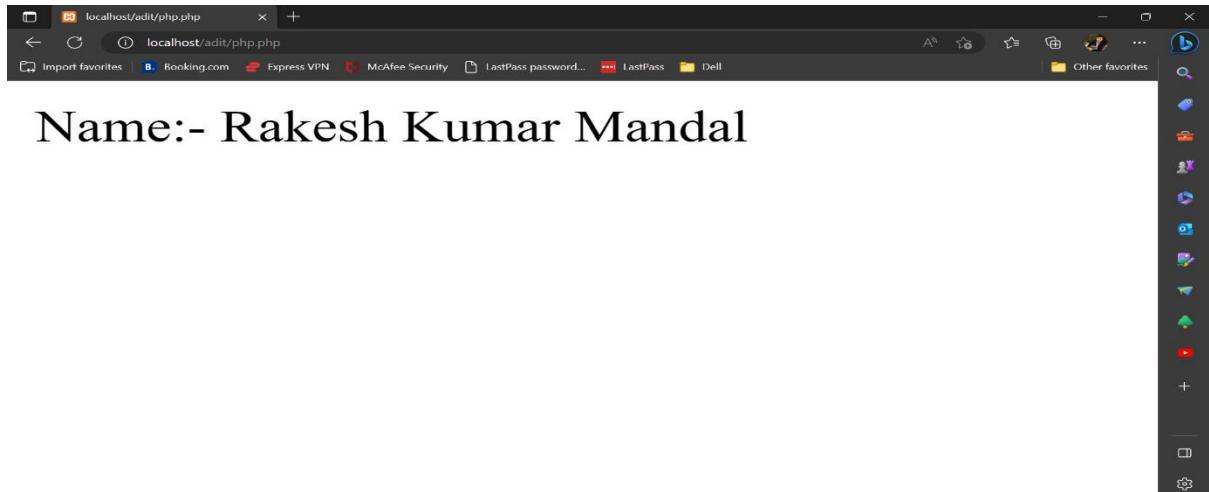
localhost/adit(folder_name)filename.

Output: - 1st

Input the data.



Output: - 2nd



6 Aim: - PHP script to display string, values within a table

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.

4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

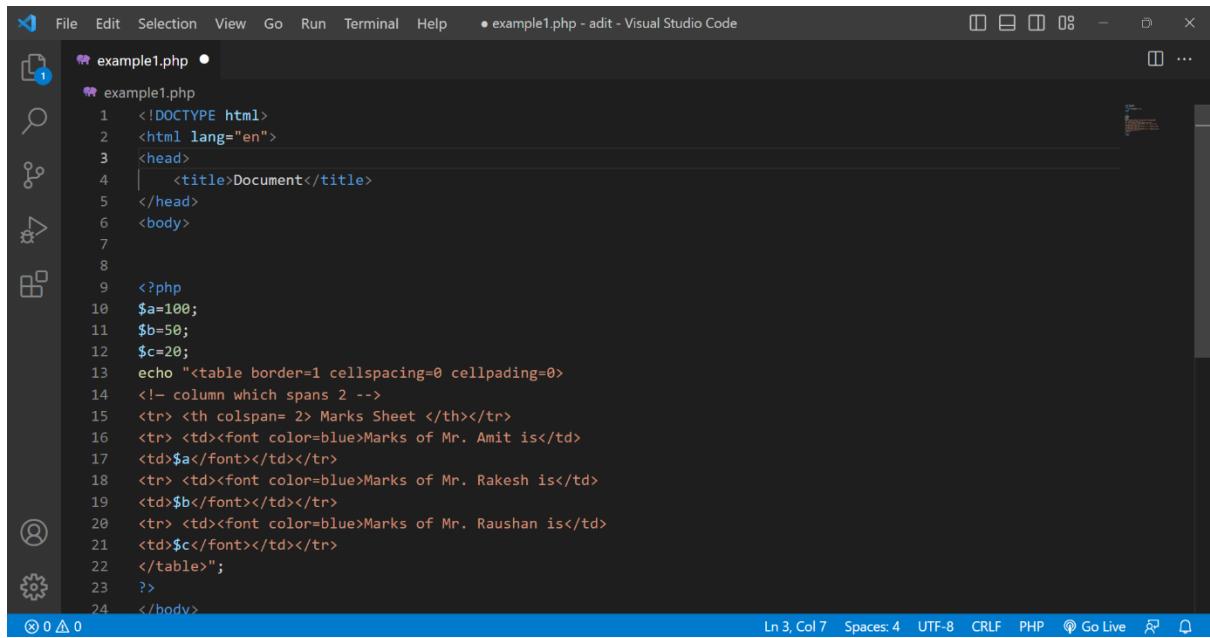
Then after Visual Studio code editor.

Then after write PHP code.

Html Code:

```
<?php  
$a=100;  
$b=50;  
$c=20;  
echo "<table border=1 cellspacing=0 cellpadding=0>  
<!-- column which spans 2 -->  
<tr> <th colspan= 2> Marks Sheet </th></tr>  
<tr> <td><font color=blue>Marks of Mr. A is</td>  
<td>$a</font></td></tr>  
<tr> <td><font color=blue>Marks of Mr. B is</td>  
<td>$b</font></td></tr>  
<tr> <td><font color=blue>Marks of Mr. C is</td>  
<td>$c</font></td></tr>  
</table>";  
?>
```

Screenshot of 1st code



The screenshot shows a Visual Studio Code interface with a dark theme. The left sidebar contains icons for file operations like Open, Save, Find, and Refresh. The main editor area displays the following PHP code:

```
example1.php
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>Document</title>
5  </head>
6  <body>
7
8
9  <?php
10 $a=100;
11 $b=50;
12 $c=20;
13 echo "<table border=1 cellspacing=0 cellpadding=0>
14 <!- column which spans 2 -->
15 <tr> <th colspan= 2> Marks Sheet </th></tr>
16 <tr> <td><font color=blue>Marks of Mr. Amit is</td>
17 <td>$a</font></td></tr>
18 <tr> <td><font color=blue>Marks of Mr. Rakesh is</td>
19 <td>$b</font></td></tr>
20 <tr> <td><font color=blue>Marks of Mr. Raushan is</td>
21 <td>$c</font></td></tr>
22 </table>";
23 ?>
24 </body>
```

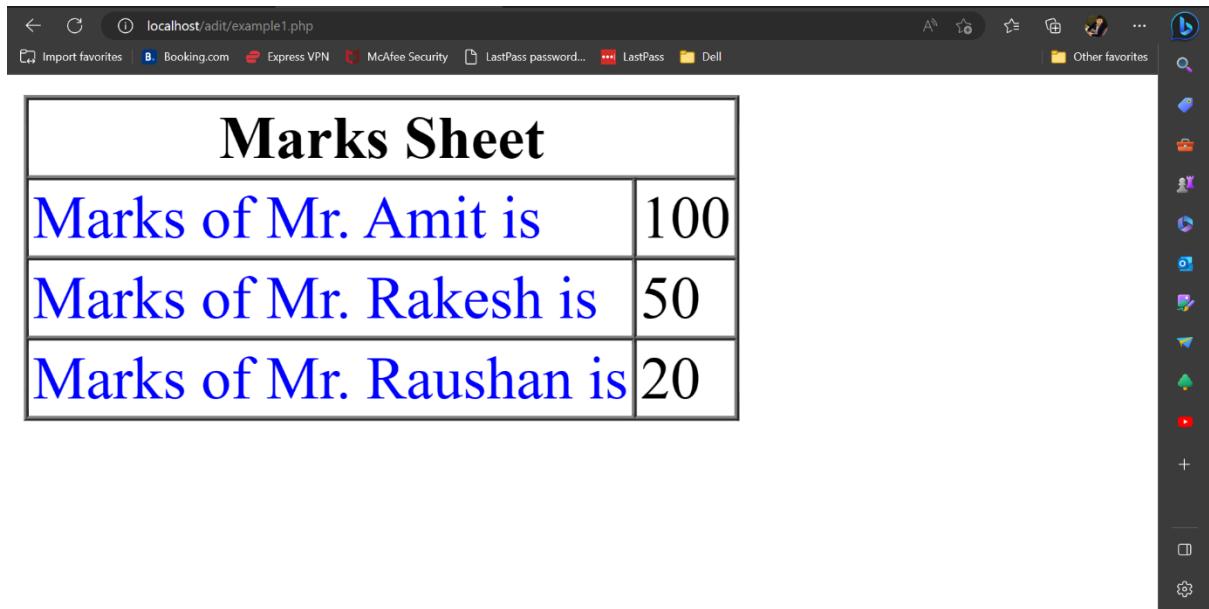
The status bar at the bottom shows: Ln 3, Col 7, Spaces: 4, UTF-8, CRLF, PHP, Go Live, and a few other icons.

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output 1st

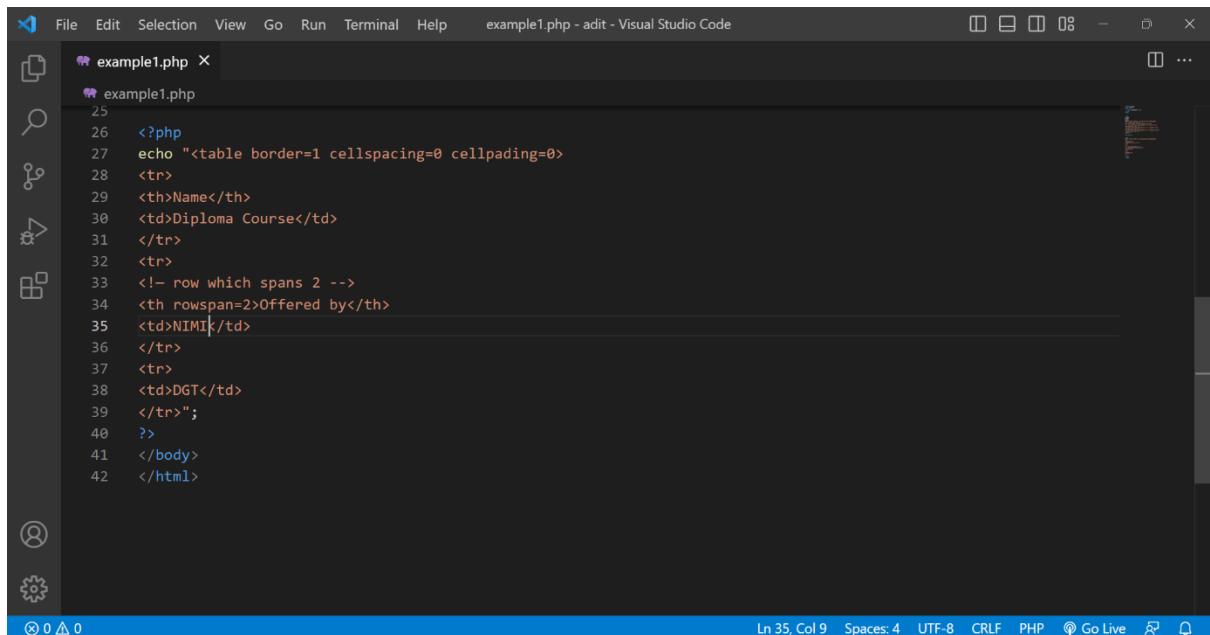


Marks Sheet	
Marks of Mr. Amit is	100
Marks of Mr. Rakesh is	50
Marks of Mr. Raushan is	20

Code of 2nd Part

```
<?php
echo "<table border=1 cellspacing=0 cellpadding=0>
<tr>
<th>Name</th>
<td>Diploma Course</td>
</tr>
<tr>
<th rowspan=2>Offered by</th>
<td>NIMI</td>
</tr>
<tr>
<td>DGT</td>
</tr>";
?>
```

Screenshot of code



A screenshot of Visual Studio Code showing a PHP file named 'example1.php'. The code defines a table with three rows. The first row has a single column labeled 'Name'. The second row has two columns: 'Offered by' and 'Diploma Course'. The third row has two columns: 'Offered by' and 'DGT'. The code is as follows:

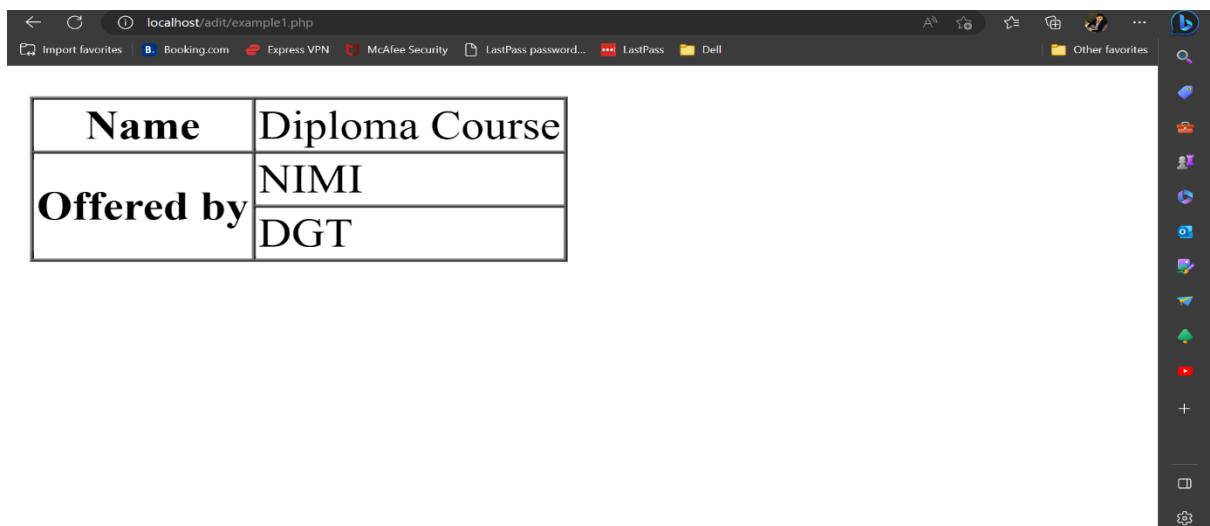
```
25 <?php
26 echo "<table border=1 cellspacing=0 cellpadding=0>
27 <tr>
28 <th>Name</th>
29 <td>Diploma Course</td>
30 </tr>
31 <tr>
32 <td>-->
33 <!-- row which spans 2 -->
34 <th rowspan=2>Offered by</th>
35 <td>NIMI</td>
36 </tr>
37 <tr>
38 <td>DGT</td>
39 </tr>";
40 ?>
41 </body>
42 </html>
```

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: - 2nd



A screenshot of a web browser window showing the output of the PHP code. The browser address bar shows 'localhost/adit/example1.php'. The page displays a table with three rows. The first row has a single column labeled 'Name' with the value 'Diploma Course'. The second row has two columns: 'Offered by' with the value 'NIMI' and 'Diploma Course' with the value 'DGT'. The third row has two columns: 'Offered by' with the value 'DGT' and 'Diploma Course' with the value 'DGT'. The table structure is as follows:

Name	Diploma Course
Offered by	NIMI
	DGT

7 **Aim:** - Write a PHP script to count lines in a file.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>
```

```

<html>
<head>
    <title>Script to count lines in a file</title>
</head>
<body>
    <?php
        echo nl2br("Hello Rakesh\n");
        echo nl2br("Hello Rakesh\n");
        $file = basename($_SERVER['PHP_SELF']);
        $no_of_lines=count(file($file));
        echo "There are $no_of_lines lines in $file"."\\n";
    ?>
</body>
</html>

```

Screenshot of code



The screenshot shows a Visual Studio Code interface with a dark theme. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows the file name as "php_examples.php - adit - Visual Studio Code". The left sidebar has icons for file, search, and other code navigation. The main editor area contains the following PHP code:

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>Script to count lines in a file</title>
5  </head>
6  <body>
7  |   <?php
8  echo nl2br("Hello Rakesh\\n");
9  echo nl2br("Hello Rakesh\\n");
10 $file = basename($_SERVER['PHP_SELF']);
11 $no_of_lines=count(file($file));
12 echo "There are $no_of_lines lines in $file"."\\n";
13 ?>
14 </body>
15 </html>

```

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



Hello Rakesh

Hello Rakesh

There are 15 lines in php_examples.php

8 Aim: - Write a PHP function to test whether a number is greater than 30, 20 or 10 using operator.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>
<html>
<head>
  <title>Document</title>
</head>
```

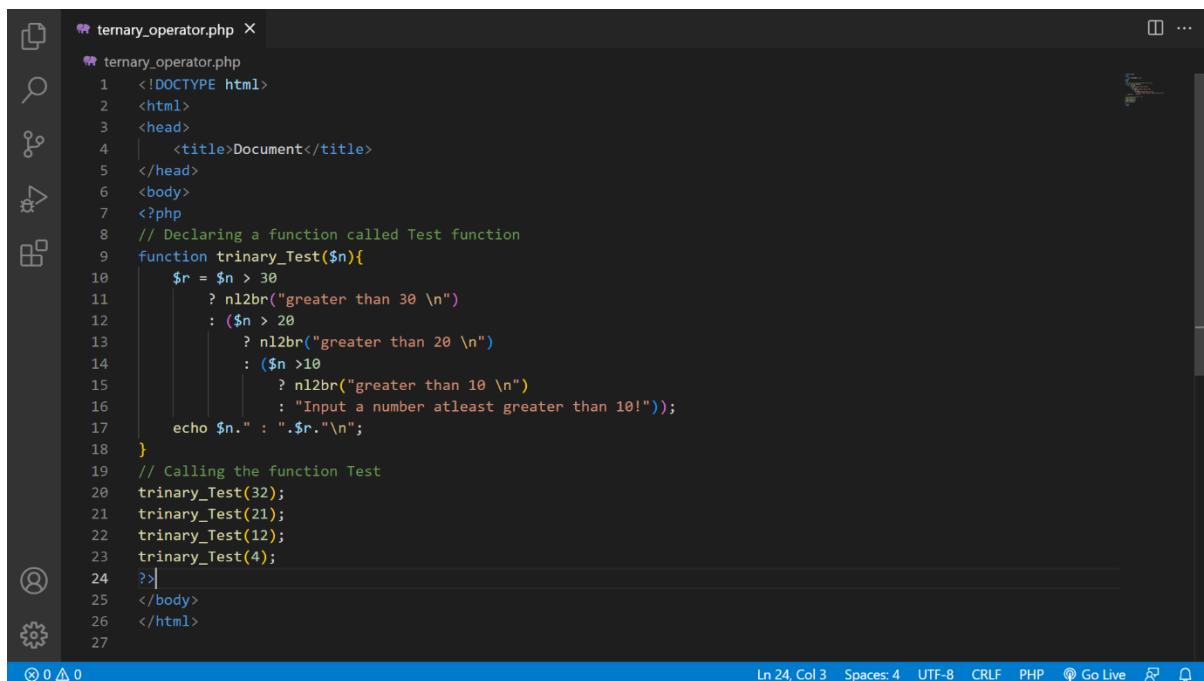
```
<body>
<?php
// Declaring a function called Test function
function trinary_Test($n){
    $r = $n > 30
        ? nl2br("greater than 30 \n")
        : ($n > 20
            ? nl2br("greater than 20 \n")
            : ($n >10
                ? nl2br("greater than 10 \n")
                : "Input a number atleast greater than 10!"));
    echo $n." : ".$r."\n";
}
// Calling the function Test
trinary_Test(32);
trinary_Test(21);
trinary_Test(12);
trinary_Test(4);
?>
<br><br><br><br><br><br>
<?php
$marks=45;
// using the print in php to display the output
print ($marks>=40) ? "Pass" : "Fail";
```

?>

</body>

</html>

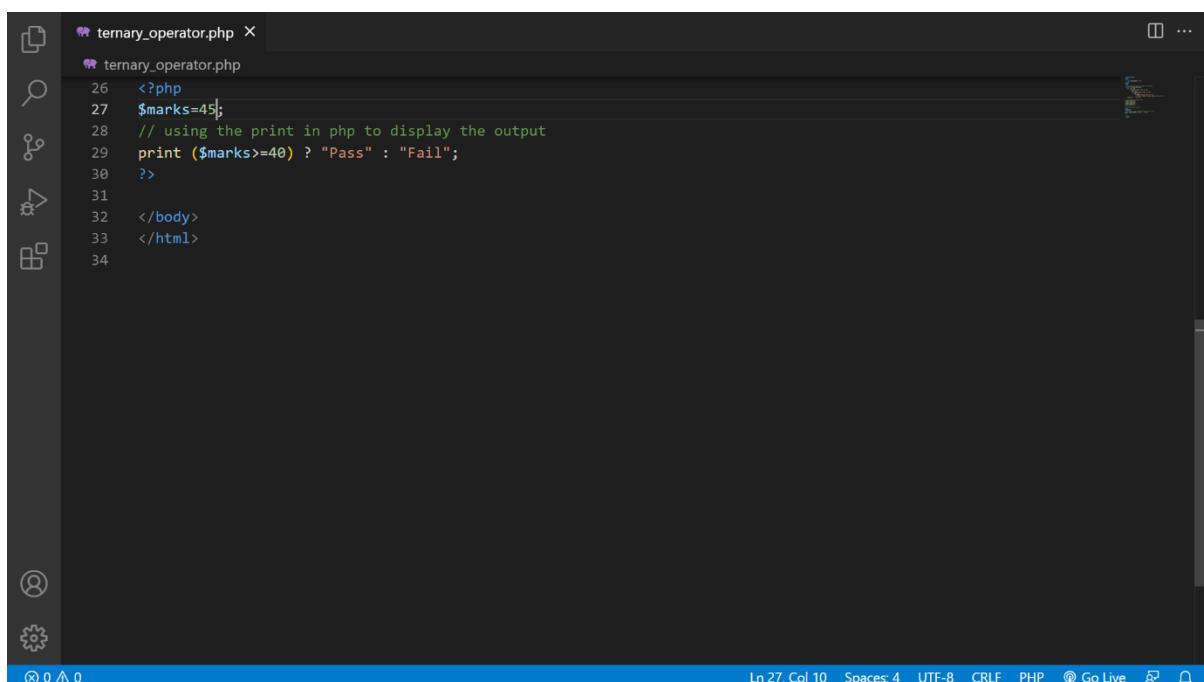
Screenshot of code



Screenshot of a code editor showing PHP code for a ternary operator example. The code defines a function `trinary_Test` that takes a parameter `$n`. It uses a ternary operator to check if `$n` is greater than 30, 20, or 10, and prints a corresponding message. The code then calls this function with values 32, 21, 12, and 4. The code editor interface includes a sidebar with icons for file operations, a status bar at the bottom, and a top bar with file and settings icons.

```
ternary_operator.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>Document</title>
5  </head>
6  <body>
7  <?php
8  // Declaring a function called Test function
9  function trinary_Test($n){
10     $r = $n > 30
11     ? nl2br("greater than 30 \n")
12     : ($n > 20
13     ? nl2br("greater than 20 \n")
14     : ($n >10
15     ? nl2br("greater than 10 \n")
16     : "Input a number atleast greater than 10!"));
17     echo $n." : ".$r."\n";
18 }
19 // Calling the function Test
20 trinary_Test(32);
21 trinary_Test(21);
22 trinary_Test(12);
23 trinary_Test(4);
24 ?>
25 </body>
26 </html>
27
28
29
30
31
32
33
34
```

Ln 24, Col 3 Spaces: 4 UTF-8 CRLF PHP Go Live ⌂ ⌂



Screenshot of a code editor showing PHP code for a marks grading example. The code defines a variable `$marks` and prints "Pass" if it is greater than or equal to 40, and "Fail" otherwise. The code editor interface includes a sidebar with icons for file operations, a status bar at the bottom, and a top bar with file and settings icons.

```
ternary_operator.php
26 <?php
27 $marks=45;
28 // using the print in php to display the output
29 print ($marks>=40) ? "Pass" : "Fail";
30 ?>
31
32 </body>
33 </html>
34
```

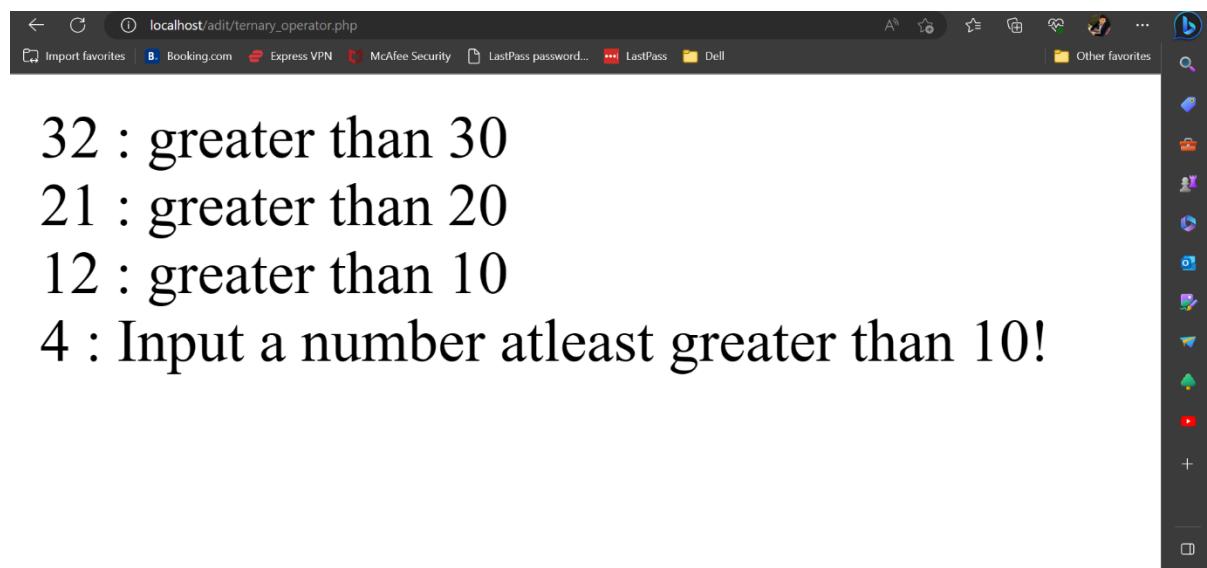
Ln 27, Col 10 Spaces: 4 UTF-8 CRLF PHP Go Live ⌂ ⌂

Then after executed code:-

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



Pass

9 Aim: - Write a script which will display the string.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

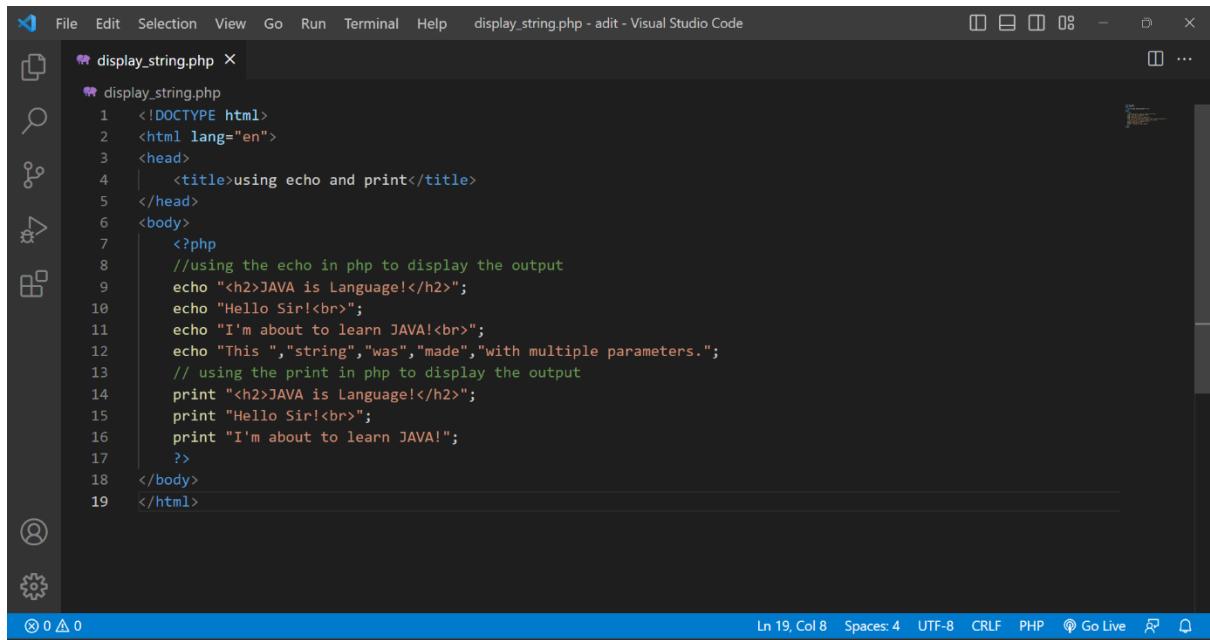
Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>
<html>
<head>
    <title>using echo and print</title>
</head>
<body>
    <?php
        //using the echo in php to display the output
        echo "<h2>JAVA is Language!</h2>";
        echo "Hello Sir!<br>";
        echo "I'm about to learn JAVA!<br>";
        echo "This ","string","was","made","with multiple parameters.";
        // using the print in php to display the output
        print "<h2>JAVA is Language!</h2>";
        print "Hello Sir!<br>";
        print "I'm about to learn JAVA!";
    ?>
</body>
</html>
```

Screenshot of code



The screenshot shows a Visual Studio Code interface with a dark theme. The left sidebar contains icons for file operations like Open, Save, Find, and Refresh. The main editor area displays a PHP file named 'display_string.php' with the following content:

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>using echo and print</title>
</head>
<body>
<?php
//using the echo in php to display the output
echo "<h2>JAVA is Language!</h2>";
echo "Hello Sir!<br>";
echo "I'm about to learn JAVA!<br>";
echo "This ","string","was","made","with multiple parameters.";
// using the print in php to display the output
print "<h2>JAVA is Language!</h2>";
print "Hello Sir!<br>";
print "I'm about to learn JAVA!";
?>
</body>
</html>
```

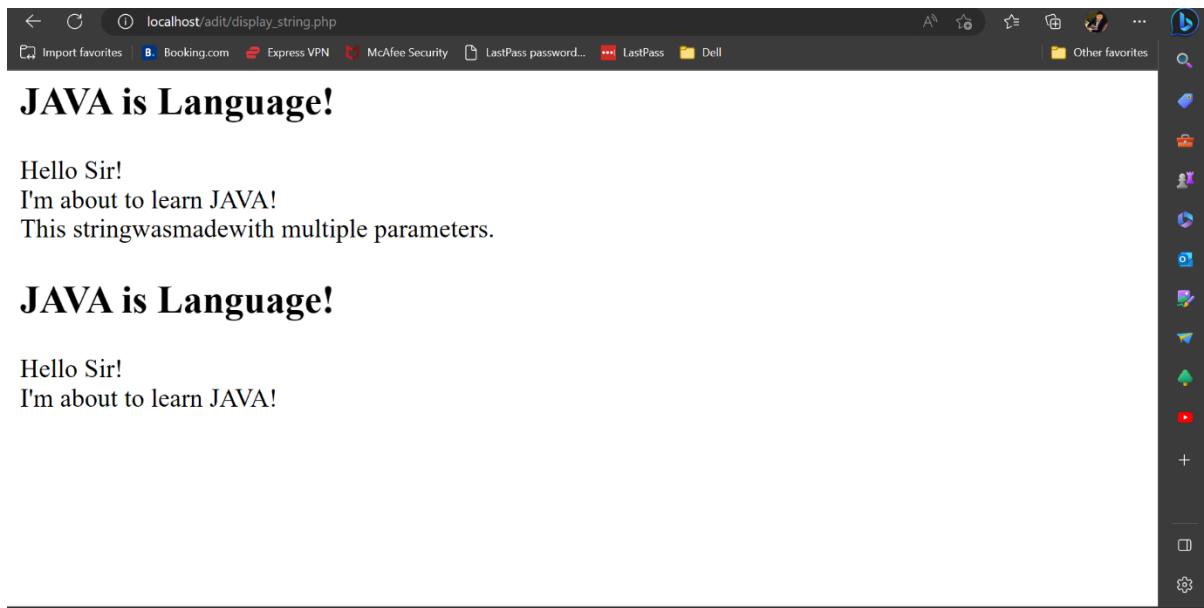
The status bar at the bottom shows 'Ln 19, Col 8' and other file details.

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



10 Aim: - Write a PHP script which display the array.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

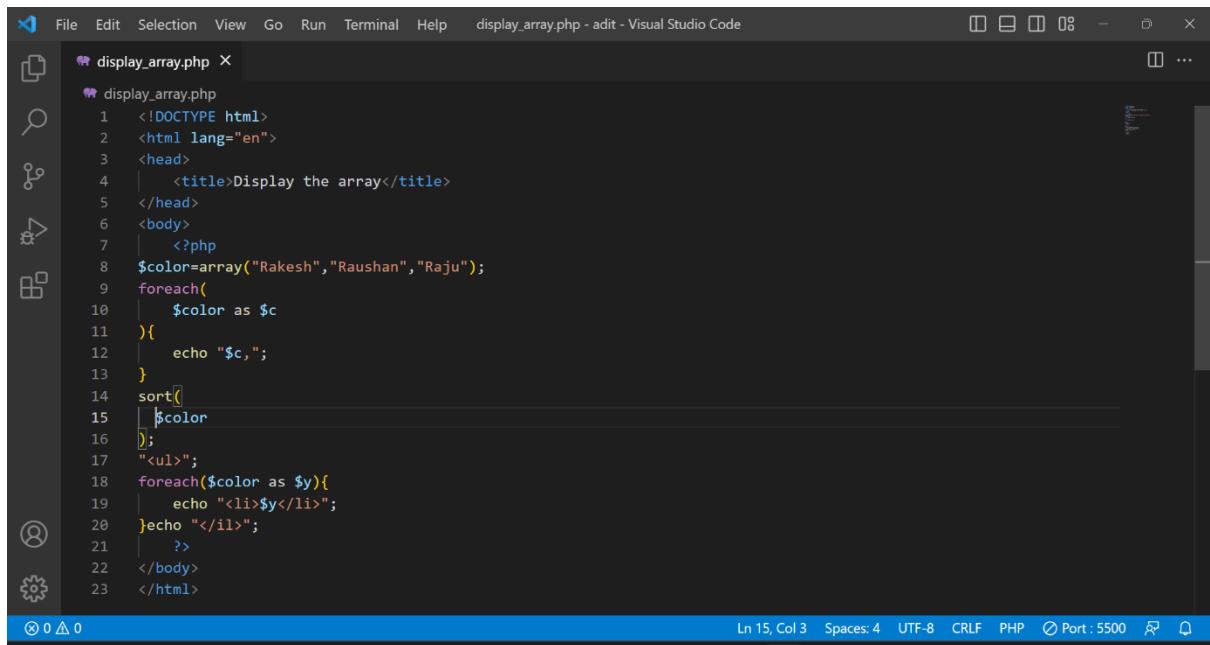
```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Display the array</title>
</head>
<body>
  <?php
$color=array("Rakesh","Raushan","Raju");
foreach(
  $color as $c
){
  echo "$c,";
}
sort(
```

```

$color
);
"<ul>";
foreach($color as $y){
    echo "<li>$y</li>";
}echo "</il>";
?>
</body>
</html>

```

Screenshot of code



The screenshot shows the Visual Studio Code interface with a dark theme. The left sidebar contains icons for file operations like copy, search, and refresh. The main editor area displays the following PHP code:

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>Display the array</title>
5  </head>
6  <body>
7  |   <?php
8  $color=array("Rakesh","Raushan","Raju");
9  foreach(
10 |     $color as $c
11 |){
12 |   echo "$c,";
13 | }
14 sort(
15 | $color
16 );
17 "<ul>";
18 foreach($color as $y){
19 |   echo "<li>$y</li>";
20 }echo "</il>";
21 ?>
22 </body>
23 </html>

```

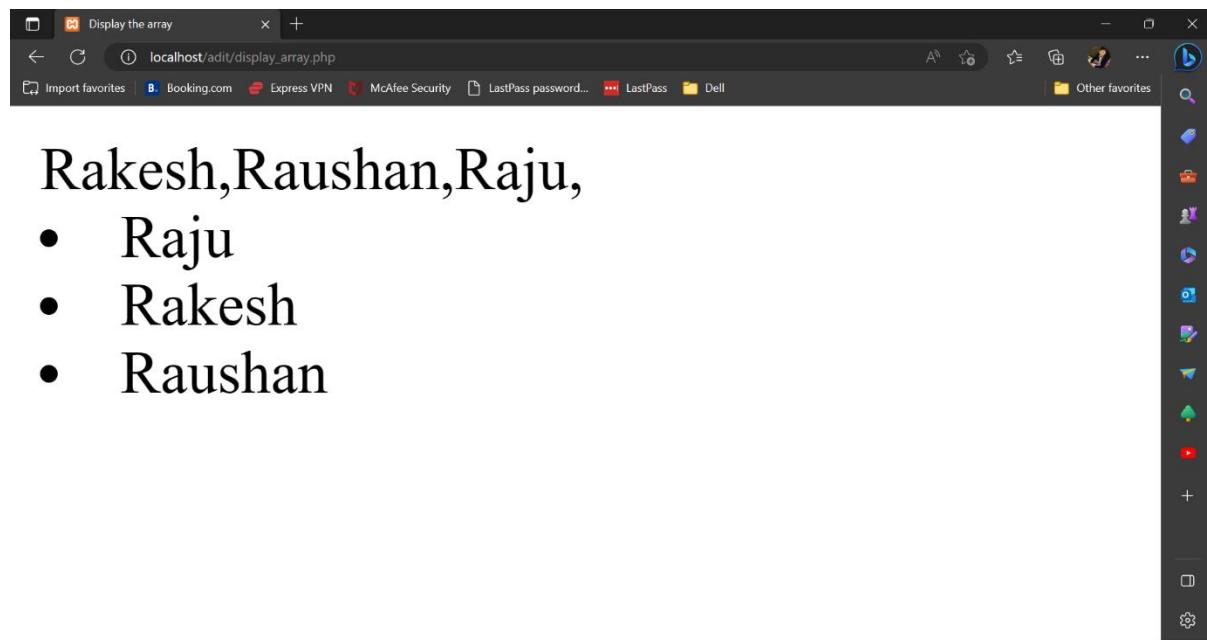
The status bar at the bottom shows the file path as 'display_array.php - adit - Visual Studio Code', and the bottom right corner shows 'Ln 15, Col 3' and other file details.

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



11 **Aim:** - Write a PHP script to sorting

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

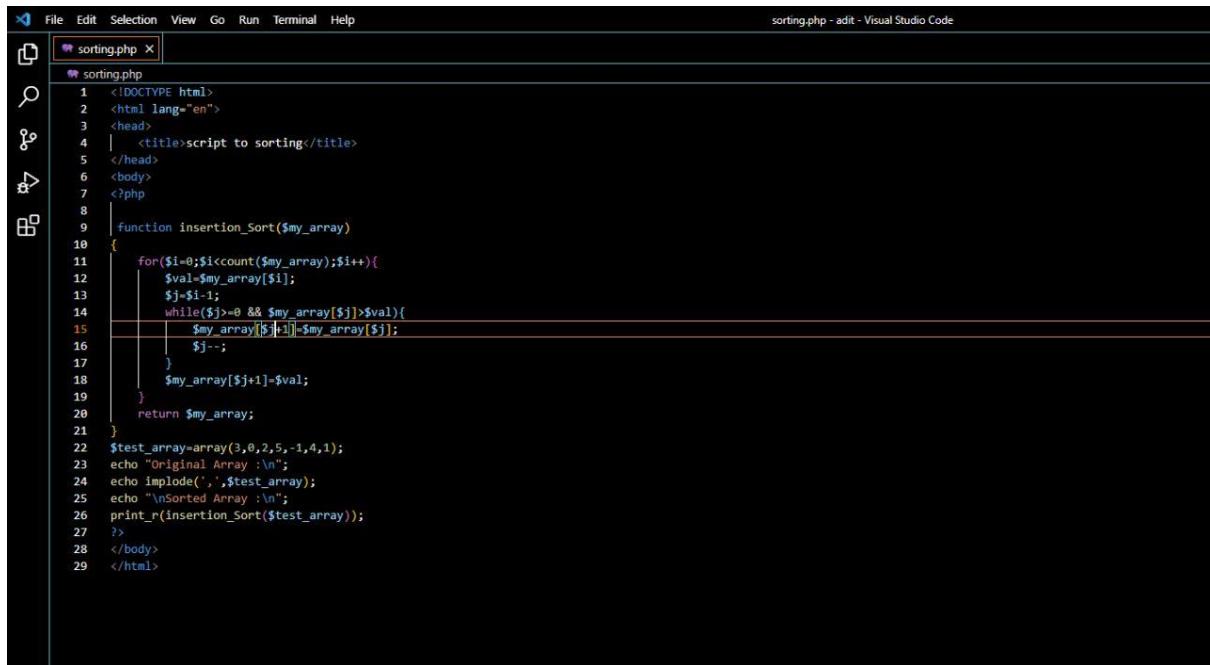
Code: -

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>script to sorting</title>
</head>
<body>
    <?php
```

```
function insertion_Sort($my_array)
{
    for($i=0;$i<count($my_array);$i++){
        $val=$my_array[$i];
        $j=$i-1;
```

```
while($j>=0 && $my_array[$j]>$val){  
    $my_array[$j+1]=$my_array[$j];  
    $j--;  
}  
$my_array[$j+1]=$val;  
}  
return $my_array;  
}  
  
$test_array=array(3,0,2,5,-1,4,1);  
echo "Original Array :\n";  
echo implode(',',$test_array);  
echo "\nSorted Array :\n";  
print_r(insertion_Sort($test_array));  
?>  
</body>  
</html>
```

Screenshot of code



```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>script to sorting</title>
5  </head>
6  <body>
7  </php>
8
9  | function insertion_Sort($my_array)
10 | {
11 |     for($i=0;$i<count($my_array);$i++)
12 |     {
13 |         $val=$my_array[$i];
14 |         $j=$i-1;
15 |         while($j>=0 && $my_array[$j]>$val){
16 |             $my_array[$j+1]=$my_array[$j];
17 |             $j--;
18 |         }
19 |         $my_array[$j+1]=$val;
20 |     }
21 |     return $my_array;
22 | }
23 $test_array=array(3,0,2,5,-1,4,1);
24 echo "Original Array :\n";
25 echo implode(',',$test_array);
26 echo "\nSorted Array :\n";
27 print_r(insertion_Sort($test_array));
28 </body>
29 </html>
```

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



¹² **Aim:** - Write a PHP script to calculate and display average temperature, five lowest and highest temperatures in given data.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>

<html>

<head>

    <title>display average temperature</title>

</head>

<body>

<?php

echo "<pre>";

// Hard coded values for temperature

$temperatures = array(78, 60, 62, 68, 71, 68, 73, 85, 66, 64, 76, 63,
75, 76, 73, 68, 62, 73, 72, 65, 74,
62, 62, 65, 64, 68, 73, 75, 79, 73);

// Declaring a parameterized function

// Function name is listvalues

function listvalues($value)

{

echo "$value, ";

}

// Function name is printAverage

function printAverage($array)

{

$total = 0;

foreach($array as $element)
```

```
{  
$total += $element;  
}  
echo number_format($total / count($array), 1);  
}  
echo "Recorded temperatures :";  
array_walk($temperatures, "listvalues");  
echo "<br>";  
// Displaying the average of given temperatures echo  
"Average Temperature is: ";  
printAverage($temperatures);echo "<br>";  
//sort the temperatures in ascending order for both of the following  
lists.  
sort($temperatures);  
//print the first 5 values  
echo "List of five lowest temperatures : "; for($i  
= 0; $i < 5; $i++)  
{  
echo "$temperatures[$i], ";  
}  
echo "<br>";  
//print the last 5 values  
echo "List of five highest temperatures : ";
```

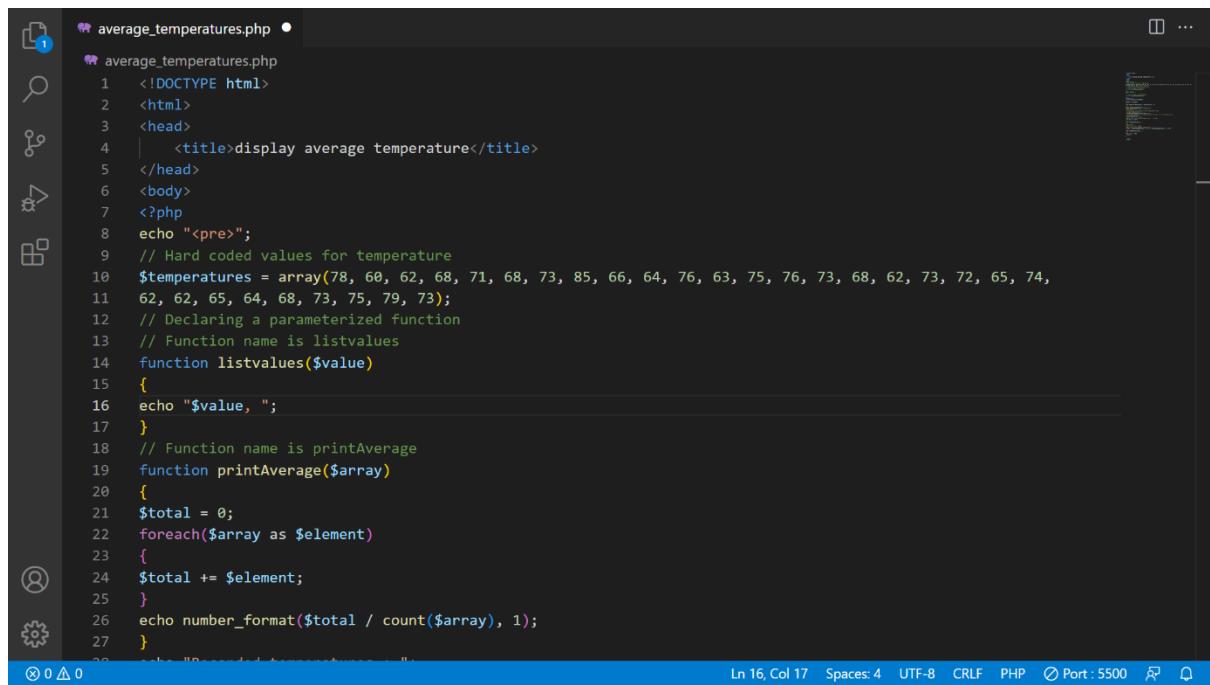
```

for($i = count($temperatures) - 5; $i <= count($temperatures) - 1;
$i++)
{
echo "$temperatures[$i], ";
}
echo "<br>"; echo
"</pre>";
?>

</body>
</html>

```

Screenshot of code



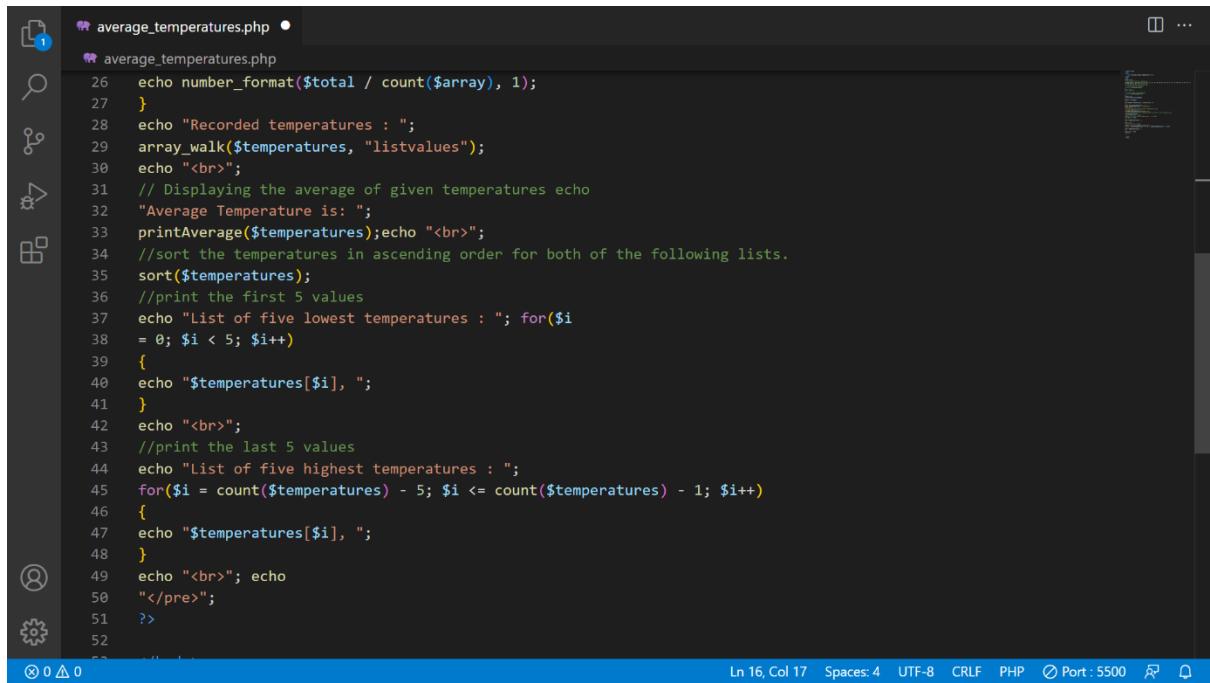
The screenshot shows a code editor interface with a dark theme. On the left is a sidebar with various icons for file operations like new, open, save, and search. The main area displays a PHP script named `average_temperatures.php`. The code includes HTML for a title and body, a PHP block with a `pre` tag, and two functions: `listvalues` and `printAverage`. The `listvalues` function prints individual temperature values, while `printAverage` calculates and prints the average of the array. The array `$temperatures` is defined with 30 hard-coded values. The bottom status bar shows the file path, line 16, column 17, and other file details.

```

average_temperatures.php
average_temperatures.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>display average temperature</title>
5  </head>
6  <body>
7  <?php
8  echo "<pre>";
9  // Hard coded values for temperature
10 $temperatures = array(78, 60, 62, 68, 71, 68, 73, 85, 66, 64, 76, 63, 75, 76, 73, 68, 62, 73, 72, 65, 74,
11 62, 62, 65, 64, 68, 73, 75, 79, 73);
12 // Declaring a parameterized function
13 // Function name is listvalues
14 function listvalues($value)
15 {
16 echo "$value, ";
17 }
18 // Function name is printAverage
19 function printAverage($array)
20 {
21 $total = 0;
22 foreach($array as $element)
23 {
24 $total += $element;
25 }
26 echo number_format($total / count($array), 1);
27 }
28
29 <?>

```

Ln 16, Col 17 Spaces: 4 UTF-8 CRLF PHP Port: 5500



The screenshot shows a code editor window with a dark theme. The file being edited is named 'average_temperatures.php'. The code is a PHP script that calculates the average of recorded temperatures, sorts them, and prints the first 5 and last 5 temperatures. The code is as follows:

```
average_temperatures.php
average_temperatures.php
26 echo number_format($total / count($array), 1);
27 }
28 echo "Recorded temperatures : ";
29 array_walk($temperatures, "listvalues");
30 echo "<br>";
31 // Displaying the average of given temperatures echo
32 "Average Temperature is: ";
33 printAverage($temperatures);echo "<br>";
34 //sort the temperatures in ascending order for both of the following lists.
35 sort($temperatures);
36 //print the first 5 values
37 echo "List of five lowest temperatures : "; for($i
38 = 0; $i < 5; $i++)
39 {
40 echo "$temperatures[$i], ";
41 }
42 echo "<br>";
43 //print the last 5 values
44 echo "List of five highest temperatures : ";
45 for($i = count($temperatures) - 5; $i <= count($temperatures) - 1; $i++)
46 {
47 echo "$temperatures[$i], ";
48 }
49 echo "<br>"; echo
50 "</pre>";
51 ?>
52
```

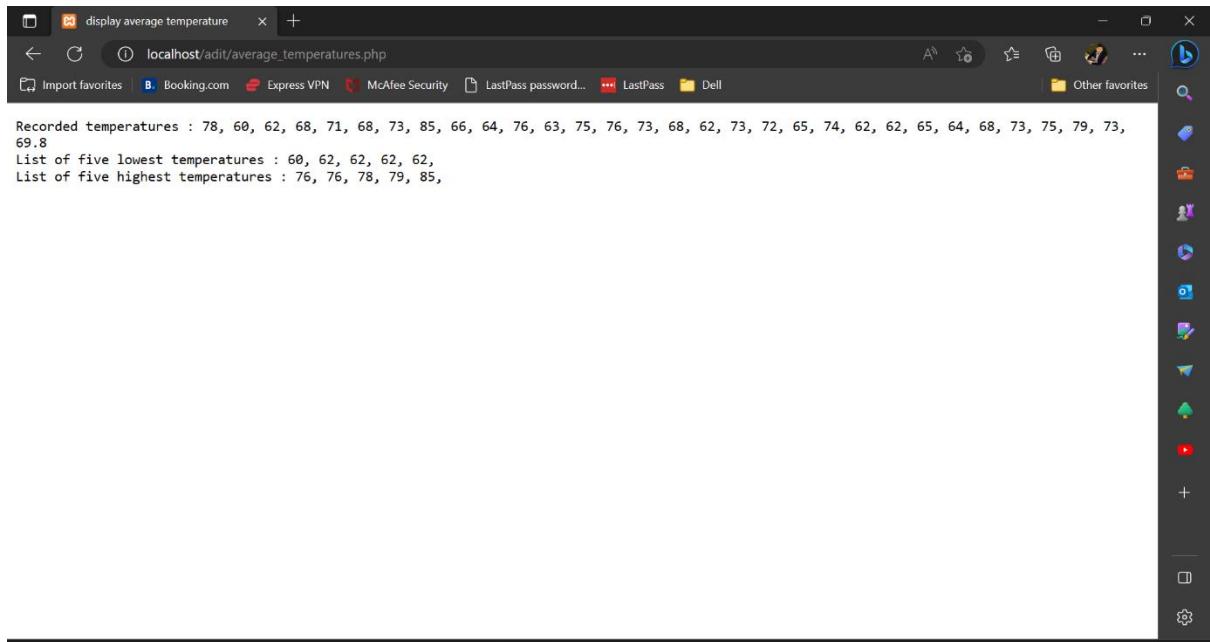
At the bottom of the editor, there are status indicators: Ln 16, Col 17, Spaces: 4, UTF-8, CRLF, PHP, Port: 5500, and a refresh icon.

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



13 **Aim:** - Write a program to calculate and print the factorial of a number using a for loop.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Document</title>
</head>
<body>
<?php
// Declaring a variable whose factorial is to be find
$n = 6;
$x = 1;
//Calculating the factorial of a given number
for($i=1;$i<=$n-1;$i++)
{
```

```

$x*=( $i+1);

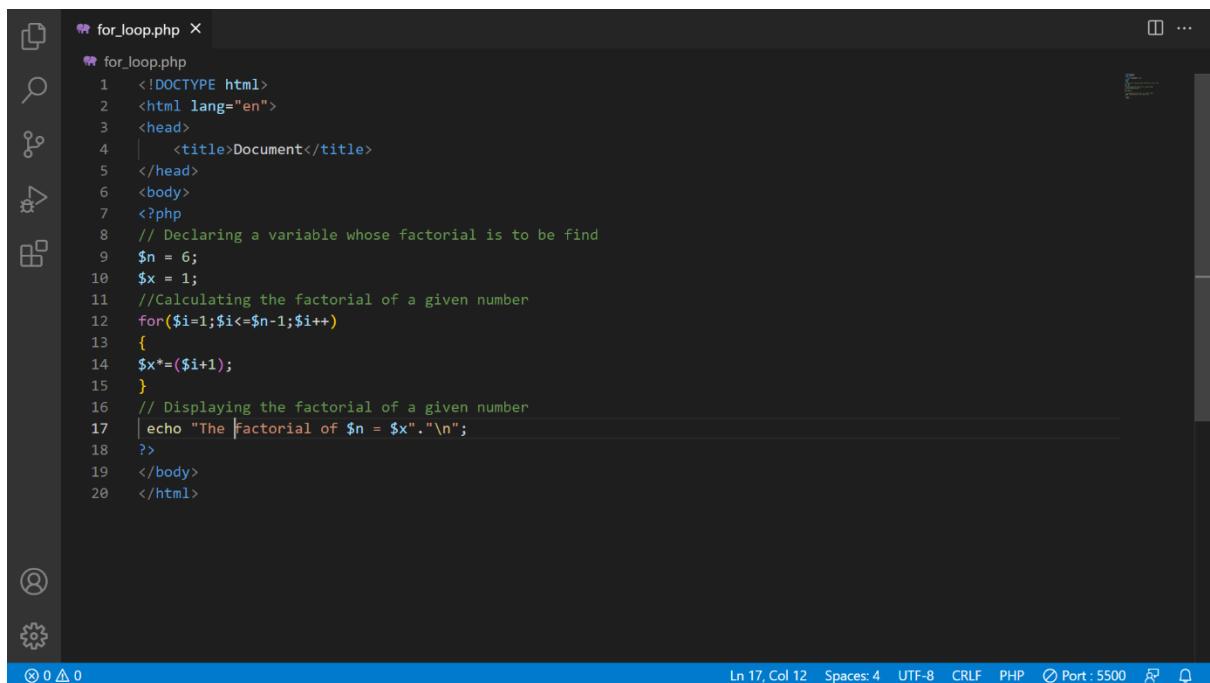
}

// Displaying the factorial of a given number
echo "The factorial of $n = $x". "\n";
?>

</body>
</html>

```

Screenshot of code



```

for_loop.php x
for_loop.php
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>Document</title>
5  </head>
6  <body>
7  <?php
8  // Declaring a variable whose factorial is to be find
9  $n = 6;
10 $x = 1;
11 //Calculating the factorial of a given number
12 for($i=1;$i<=$n-1;$i++)
13 {
14 $x*=( $i+1);
15 }
16 // Displaying the factorial of a given number
17 | echo "The factorial of $n = $x". "\n";
18 ?>
19 </body>
20 </html>

```

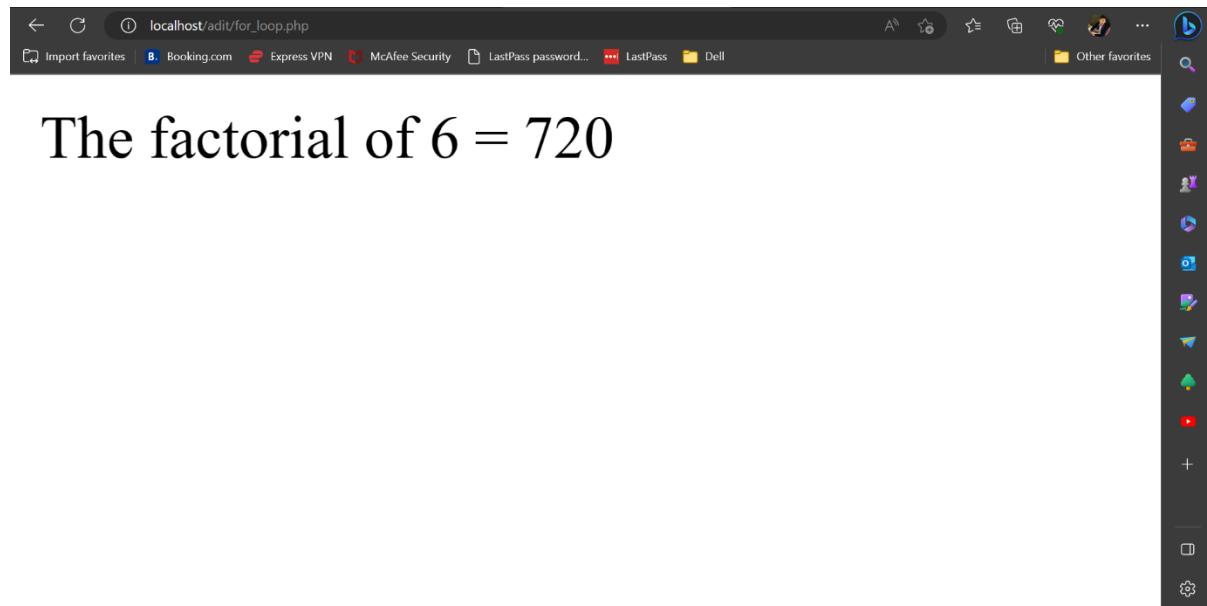
Ln 17, Col 12 Spaces: 4 UTF-8 CRLF PHP Port: 5500

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



14 **Aim:** - Write a PHP script using nested for loop.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

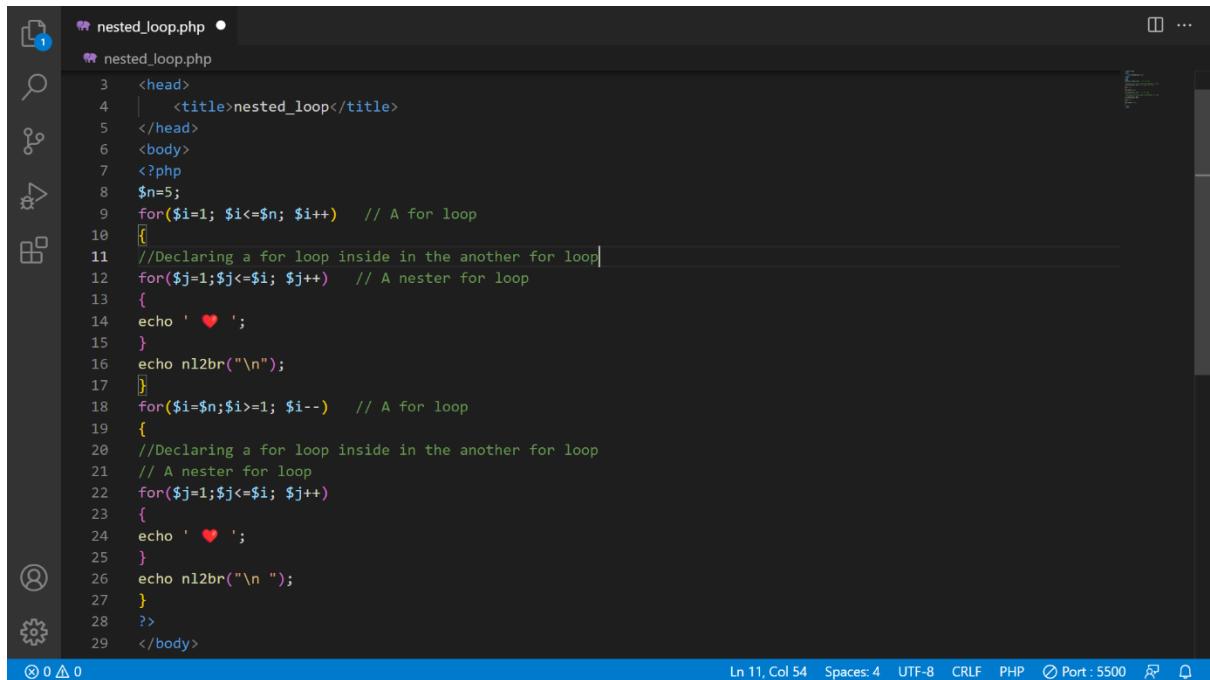
```
<!DOCTYPE html>
<html>
<head>
    <title>nested_loop</title>
</head>
<body>
<?php
$n=5;
for($i=1; $i<=$n; $i++) // A for loop
{
//Declaring a for loop inside in the another for loop
for($j=1;$j<=$i; $j++) // A nester for loop
{
```

```
echo ' ❤️ ';
}

echo nl2br("\n");
}

for($i=$n;$i>=1; $i--) // A for loop
{
//Declaring a for loop inside in the another for loop
// A nester for loop
for($j=1;$j<=$i; $j++)
{
echo ' ❤️ ';
}
echo nl2br("\n ");
}
?>
</body>
</html>
```

Screenshot of code



The screenshot shows a code editor window with a dark theme. The file is named 'nested_loop.php'. The code contains two nested for loops. The outer loop iterates from 1 to \$n (line 9). The inner loop iterates from \$j=1 to \$i (line 12). Each iteration of the inner loop prints a red heart character ('♥') followed by a new line. The code editor has a toolbar with various icons on the left and a status bar at the bottom showing line 11, column 54, and other settings.

```
3  <head>
4  |  <title>nested_loop</title>
5  </head>
6  <body>
7  <?php
8  $n=5;
9  for($i=1; $i<=$n; $i++) // A for loop
10 [
11 //Declaring a for loop inside in the another for loop
12 for($j=1;$j<=$i; $j++) // A nester for loop
13 {
14 echo ' ♥ ';
15 }
16 echo nl2br("\n");
17 }
18 for($i=$n;$i>=1; $i--) // A for loop
19 {
20 //Declaring a for loop inside in the another for loop
21 // A nester for loop
22 for($j=1;$j<=$i; $j++)
23 {
24 echo ' ♥ ';
25 }
26 echo nl2br("\n ");
27 }
28 ?>
29 </body>
```

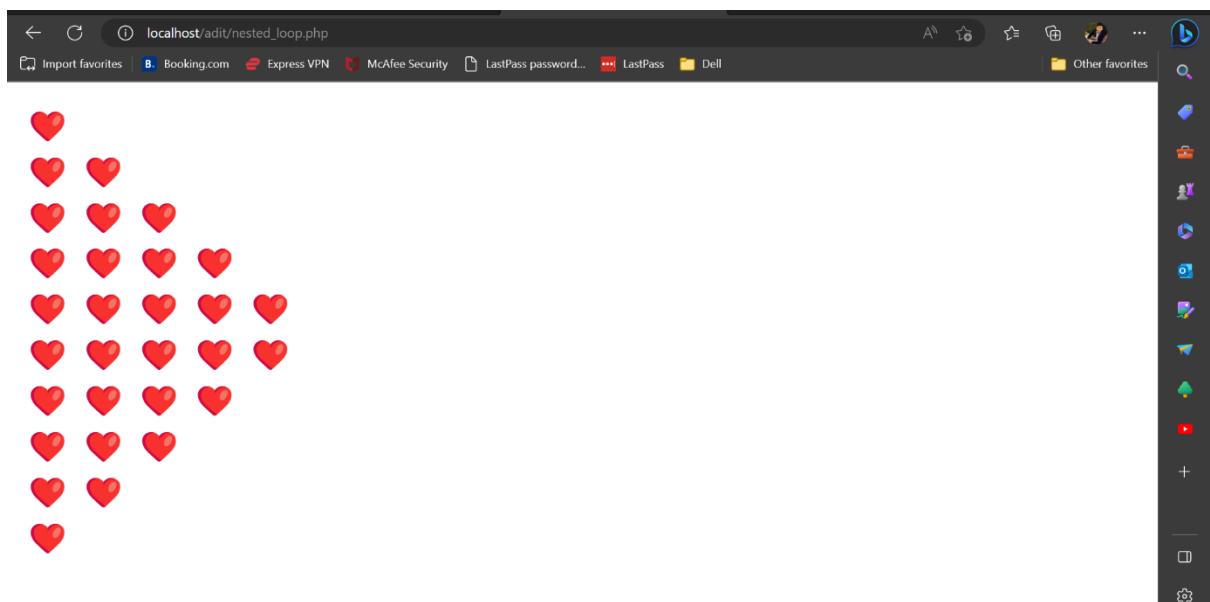
Ln 11, Col 54 Spaces: 4 UTF-8 CRLF PHP ⚡ Port: 5500 ⌂ ⌂

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



¹⁵ **Aim:** - Write a program to calculate and print the factorial of a number using a for loop.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

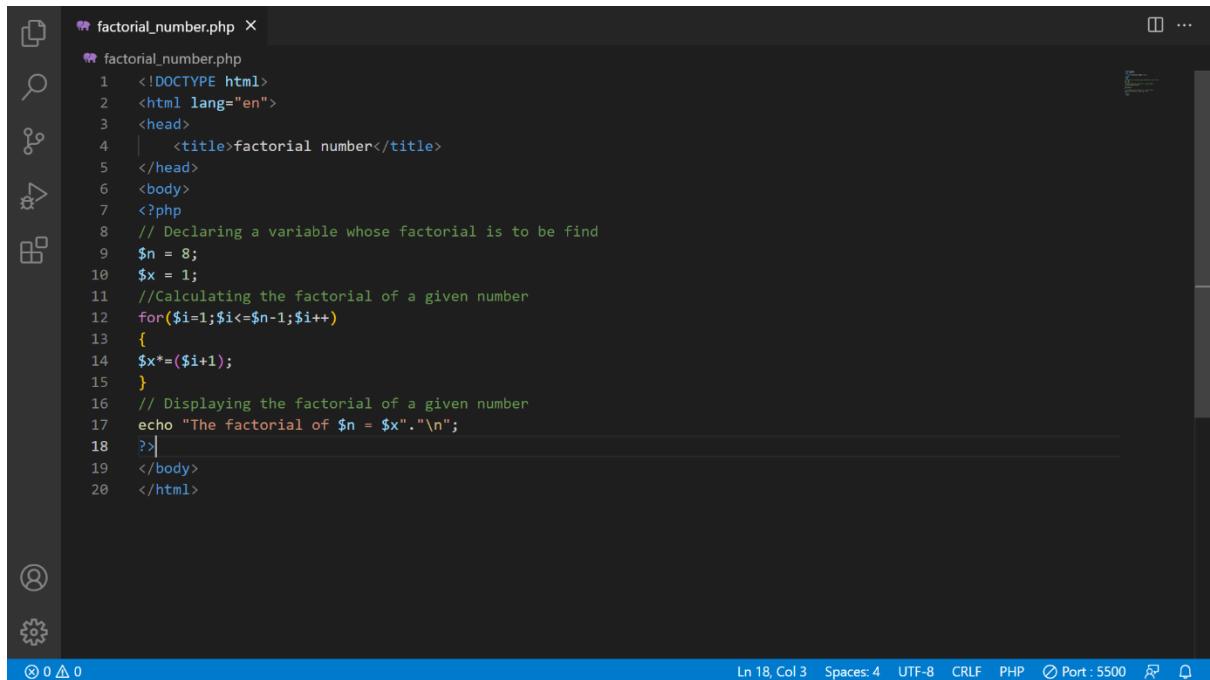
Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>
<html>
<head>
    <title>factorial number</title>
</head>
<body>
<?php
// Declaring a variable whose factorial is to be find
$n = 8;
$x = 1;
//Calculating the factorial of a given number
for($i=1;$i<=$n-1;$i++)
{
    $x*=( $i+1);
}
// Displaying the factorial of a given number
echo "The factorial of $n = $x"."\\n";
?>
</body>
</html>
```

Screenshot of code



The screenshot shows a code editor window with a dark theme. The file is named 'factorial_number.php'. The code calculates the factorial of a given number (\$n) by initializing \$x to 1 and then multiplying it by each integer from 1 to \$n. The result is then echoed. The code editor includes a sidebar with icons for file operations and a status bar at the bottom showing line and column counts, file encoding, and port information.

```
factorial_number.php
factorial_number.php
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>factorial number</title>
5  </head>
6  <body>
7  <?php
8  // Declaring a variable whose factorial is to be find
9  $n = 8;
10 $x = 1;
11 //Calculating the factorial of a given number
12 for($i=1;$i<=$n-1;$i++)
13 {
14 $x*=$i+1;
15 }
16 // Displaying the factorial of a given number
17 echo "The factorial of $n = $x"."\\n";
18 ?>
19 </body>
20 </html>
```

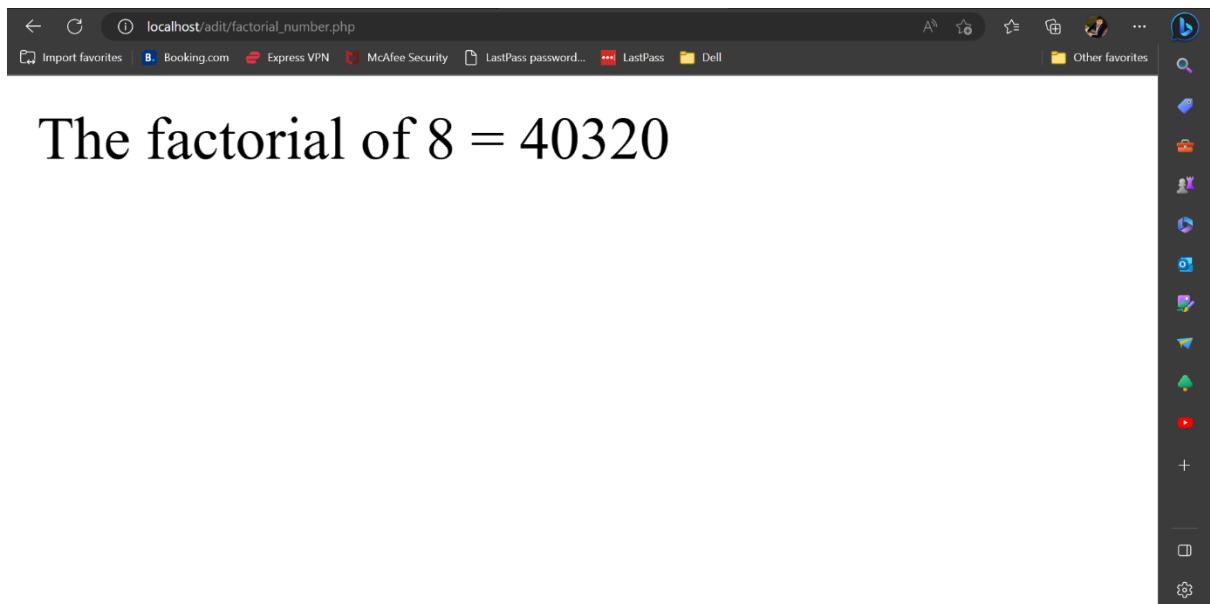
Ln 18, Col 3 Spaces: 4 UTF-8 CRLF PHP ⚡ Port: 5500 ⌂ ⌂

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



¹⁶ **Aim:** - Write a function to calculate the factorial of a number

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

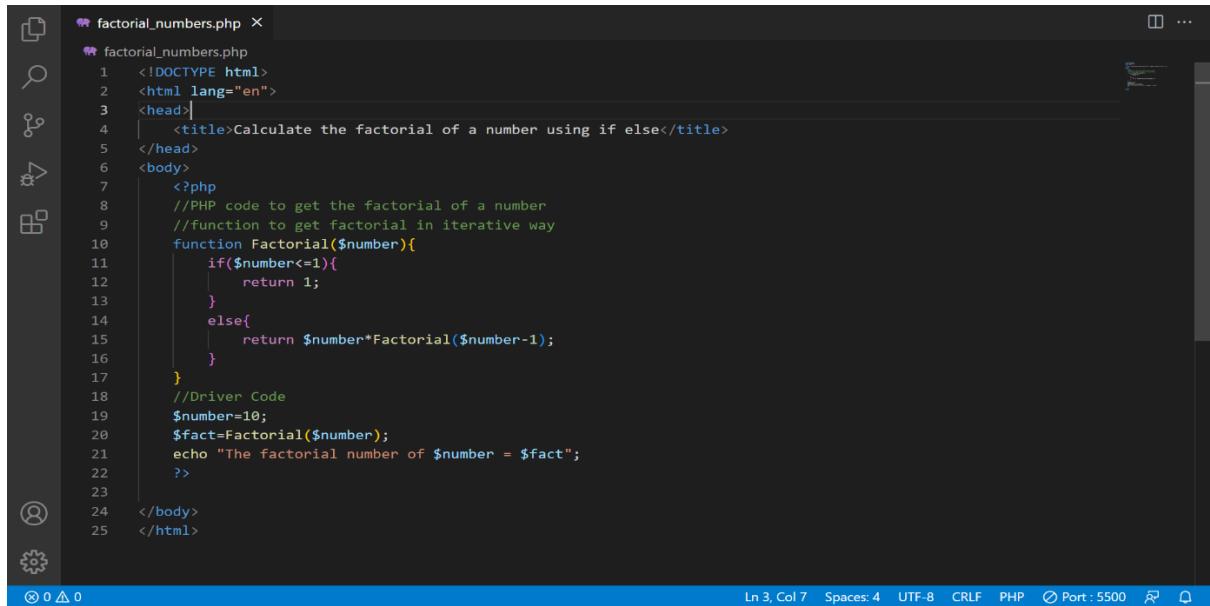
Then after write PHP code.

Code: -

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Calculate the factorial of a number using if else</title>
</head>
<body>
    <?php
        //PHP code to get the factorial of a number
        //function to get factorial in iterative way
        function Factorial($number){
            if($number<=1){
                return 1;
            }
            else{
                return $number*Factorial($number-1);
            }
        }
        //Driver Code
        $number=10;
        $fact=Factorial($number);
        echo "The factorial number of $number = $fact";
    ?>
</body>
```

</html>

Screenshot of code



The screenshot shows a code editor window with a dark theme. The file is named 'factorial_numbers.php'. The code is as follows:

```
factorial_numbers.php
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |  <title>Calculate the factorial of a number using if else</title>
5  </head>
6  <body>
7  |  <?php
8  |  //PHP code to get the factorial of a number
9  |  //function to get factorial in iterative way
10 |  function Factorial($number){
11 |  |  if($number<=1){
12 |  |  |  return 1;
13 |  |  }
14 |  |  else{
15 |  |  |  return $number*Factorial($number-1);
16 |  |  }
17 |  |  }
18 |  //Driver Code
19 |  $number=10;
20 |  $fact=Factorial($number);
21 |  echo "The factorial number of $number = $fact";
22 |  ?>
23
24 </body>
25 </html>
```

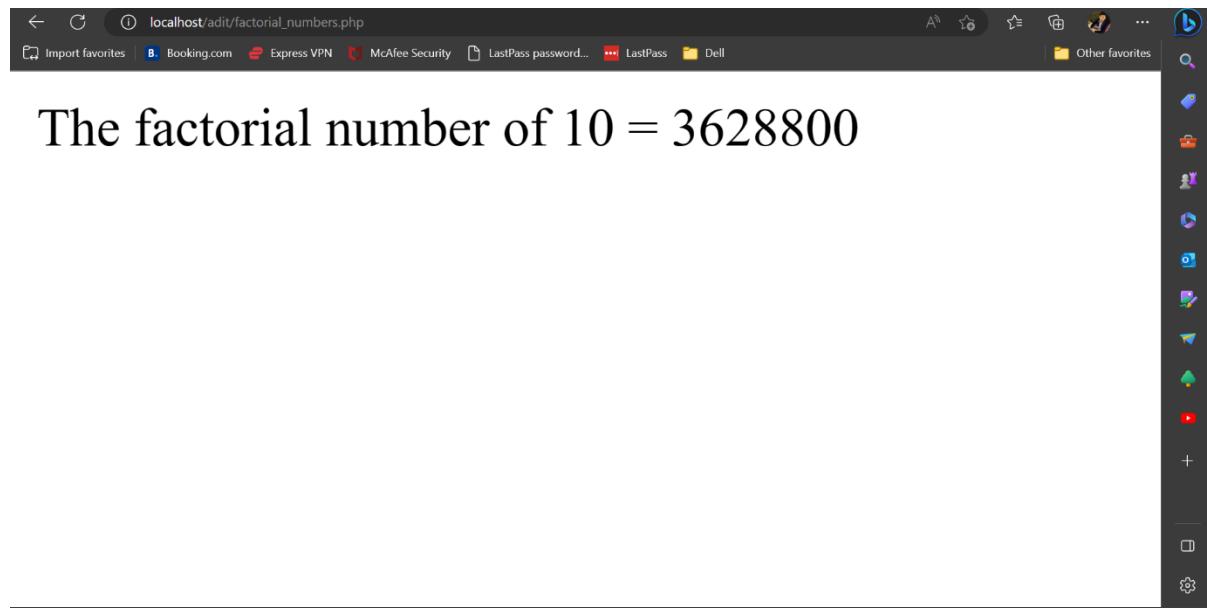
At the bottom of the editor, there are status indicators: Ln 3, Col 7, Spaces: 4, UTF-8, CRLF, PHP, Port: 5500, and a refresh icon.

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



¹⁷ **Aim:** - Write a function to check a number is prime or not.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

1 Working PC.

2 Windows Operating System.

3 Xampp server and also PHP.

4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>

<html>

<head>

<title>Write a function to check a number is prime or not</title>

</head>

<body>

<?php

function primeCheck($number){

    //creation a function primeCheck

    if($number==1)

        return 0;

    for($i=2;$i<=$number/2;$i++){

        if($number%$i==0)

            return 0;}
```

```

        return 1;

    }

//input number is 29

$number=29;

//checking prime or not

$flag=primeCheck($number);

if($flag==1)

echo "$number is Prime Number";

else

echo "$number is Not Prime Number"

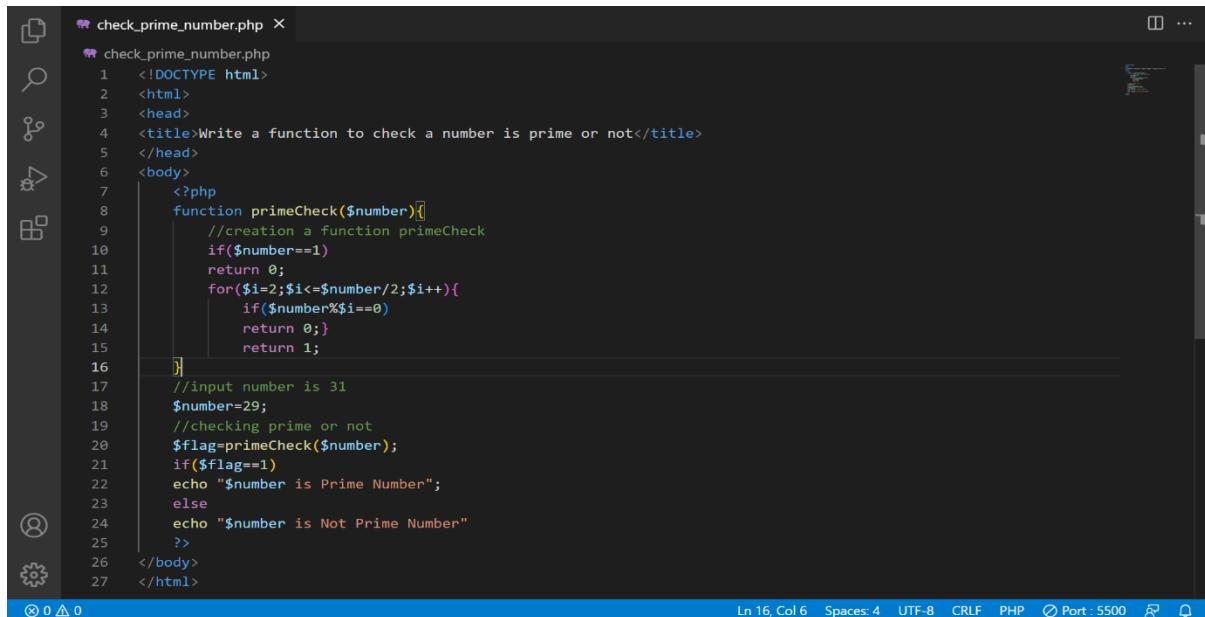
?>

</body>

</html>

```

Screenshot of code



```

check_prime_number.php
check_prime_number.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>Write a function to check a number is prime or not</title>
5  </head>
6  <body>
7  <?php
8  function primeCheck($number){
9      //creation a function primeCheck
10     if($number==1)
11         return 0;
12     for($i=2;$i<=$number/2;$i++){
13         if($number%$i==0)
14             return 0;
15         return 1;
16     }
17     //input number is 31
18     $number=29;
19     //checking prime or not
20     $flag=primeCheck($number);
21     if($flag==1)
22         echo "$number is Prime Number";
23     else
24         echo "$number is Not Prime Number"
25     ?>
26 </body>
27 </html>

```

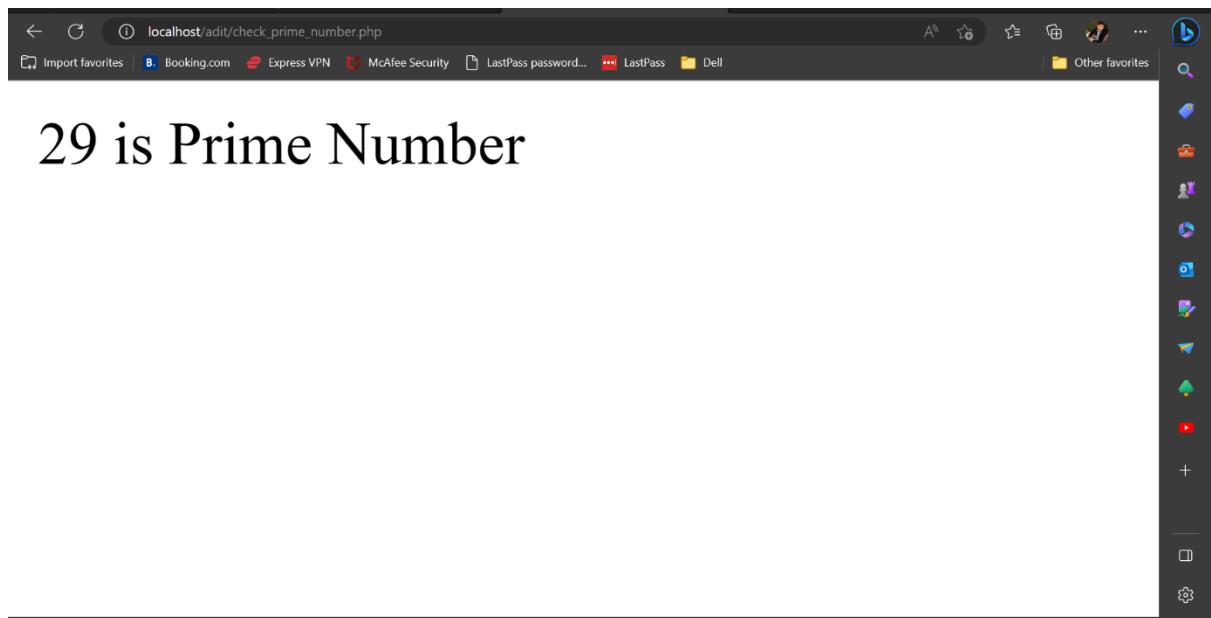
Ln 16, Col 6 Spaces: 4 UTF-8 CRLF PHP ⚡ Port: 5500 ⌂ ⌂

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



18 Aim: - Write a function to check a number is prime or not.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>
<html>
<head>
    <title> reverse a string</title>
</head>
<body>
    <?php
        //creating a function Revese and passing $str as parameter
        function Reverse($str){
```

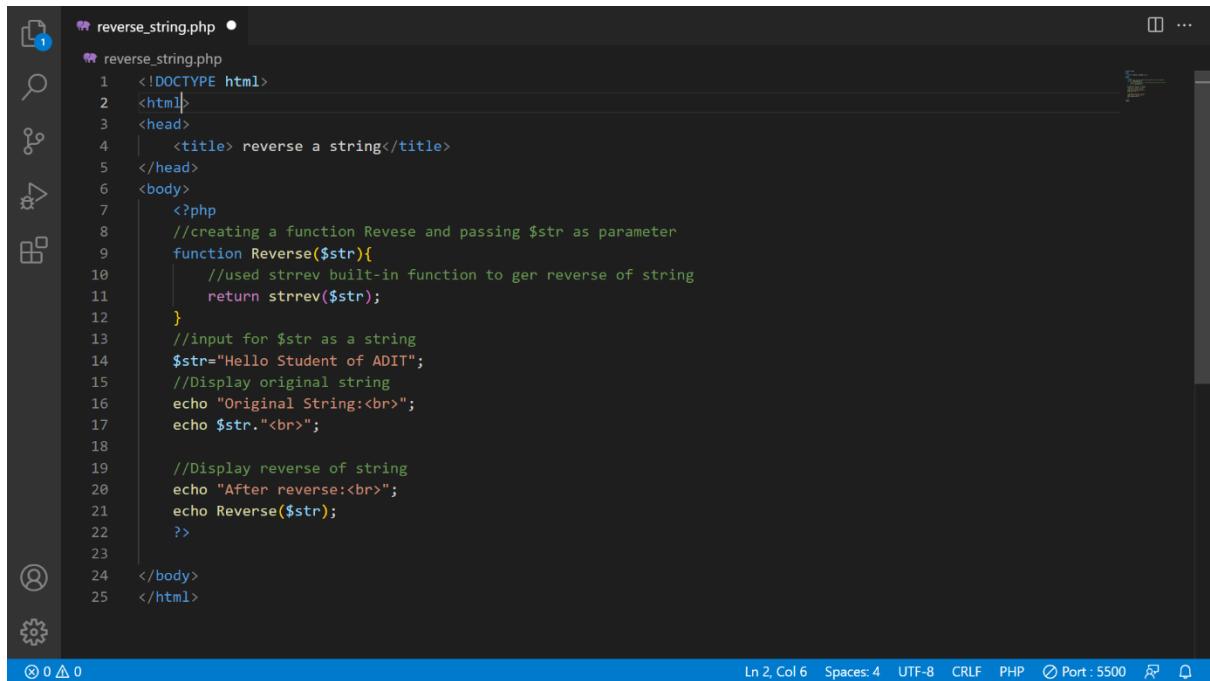
```
//used strrev built-in function to get reverse of string
return strrev($str);

}

//input for $str as a string
$str="Hello Student of ADIT";
//Display original string
echo "Original String:<br>";
echo $str."<br>";

//Display reverse of string
echo "After reverse:<br>";
echo Reverse($str);
?>

</body>
</html> Screenshot of code
```



The screenshot shows a code editor window with a dark theme. On the left is a sidebar with various icons: a file, a search, a refresh, a folder, a file list, a preview, and a help. The main area contains a PHP script named 'reverse_string.php'. The code is as follows:

```
reverse_string.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title> reverse a string</title>
5  </head>
6  <body>
7  |   <?php
8  |       //creating a function Reverse and passing $str as parameter
9  |       function Reverse($str){
10 |           //used strrev built-in function to get reverse of string
11 |           return strrev($str);
12 |       }
13 |       //input for $str as a string
14 |       $str="Hello Student of ADIT";
15 |       //Display original string
16 |       echo "Original String:<br>";
17 |       echo $str."<br>";
18 |
19 |       //Display reverse of string
20 |       echo "After reverse:<br>";
21 |       echo Reverse($str);
22 |   ?>
23 |
24 </body>
25 </html>
```

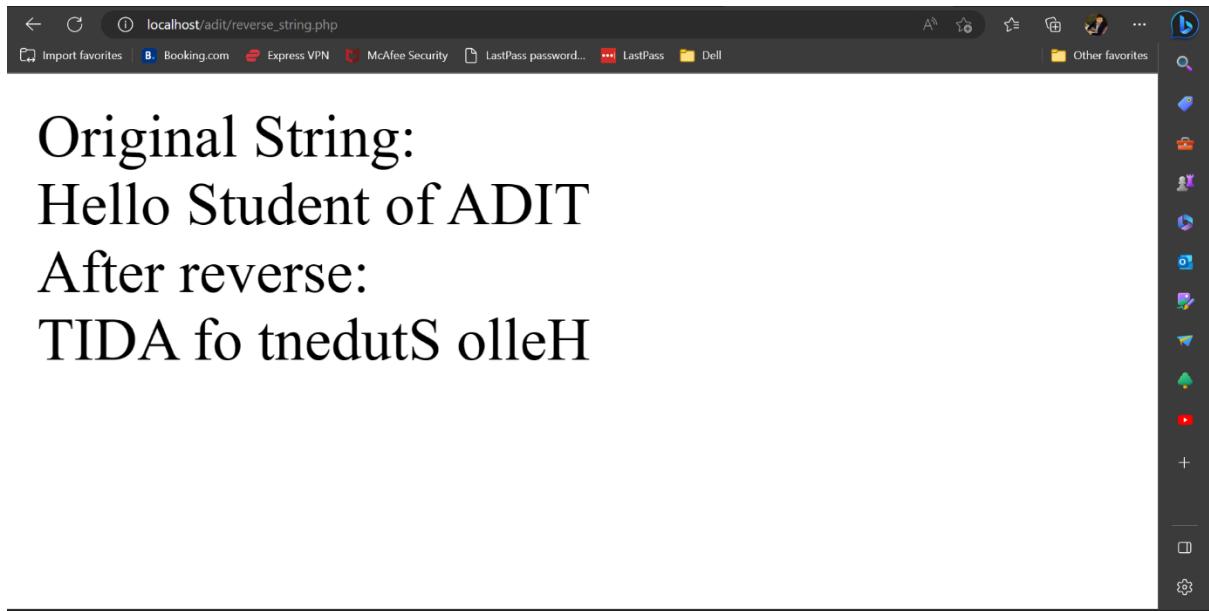
At the bottom of the editor, there are status indicators: 'Ln 2, Col 6', 'Spaces: 4', 'UTF-8', 'CRLF', 'PHP', 'Port: 5500', and a refresh icon.

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



¹⁹ **Aim:** - Write a PHP function that whether a passed string is a palindrome or not?

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>

<html>

<head>

    <title>a PHP function that checks whether a passed string is a
palindrome or not</title>

</head>

<body>

<?php

//creating a function check_palindrome

function check_palindrome($string)

{

    //comparing string with reverse of same string

    if($string==strrev($string))

        //return 1 if reverse and original string is same

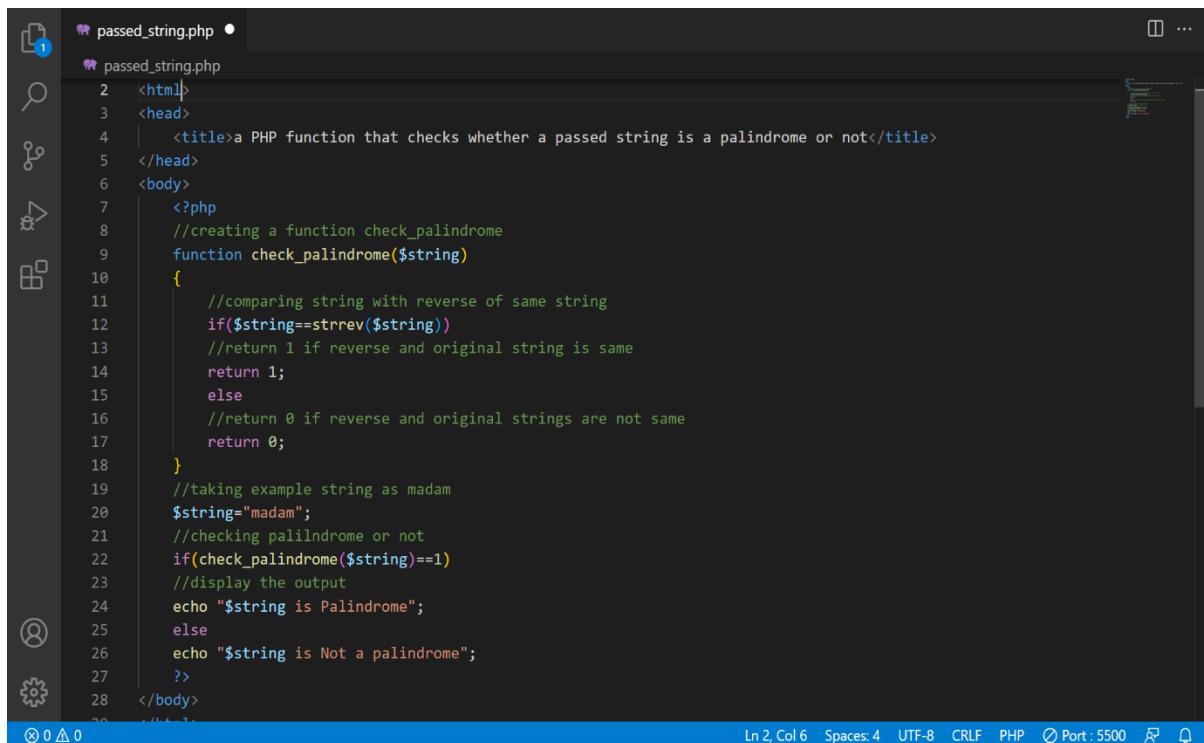
    return 1;
```

```
else
//return 0 if reverse and original strings are not same
return 0;
}

//taking example string as madam
$string="madam";
//checking palilndrome or not
if(check_palindrome($string)==1)
//display the output
echo "$string is Palindrome";
else
echo "$string is Not a palindrome";
?>

</body>
</html>
```

Screenshot of code



The screenshot shows a code editor window with a dark theme. The file is named 'passed_string.php'. The code is as follows:

```
1 <html>
2 <head>
3 <title>a PHP function that checks whether a passed string is a palindrome or not</title>
4 </head>
5 <body>
6 <?php
7 //creating a function check_palindrome
8 function check_palindrome($string)
9 {
10     //comparing string with reverse of same string
11     if($string==strrev($string))
12     //return 1 if reverse and original string is same
13     return 1;
14     else
15     //return 0 if reverse and original strings are not same
16     return 0;
17 }
18 //taking example string as madam
19 $string="madam";
20 //checking palilndrome or not
21 if(check_palindrome($string)==1)
22 //display the output
23 echo "$string is Palindrome";
24 else
25 echo "$string is Not a palindrome";
26 ?>
27 </body>
28 </html>
```

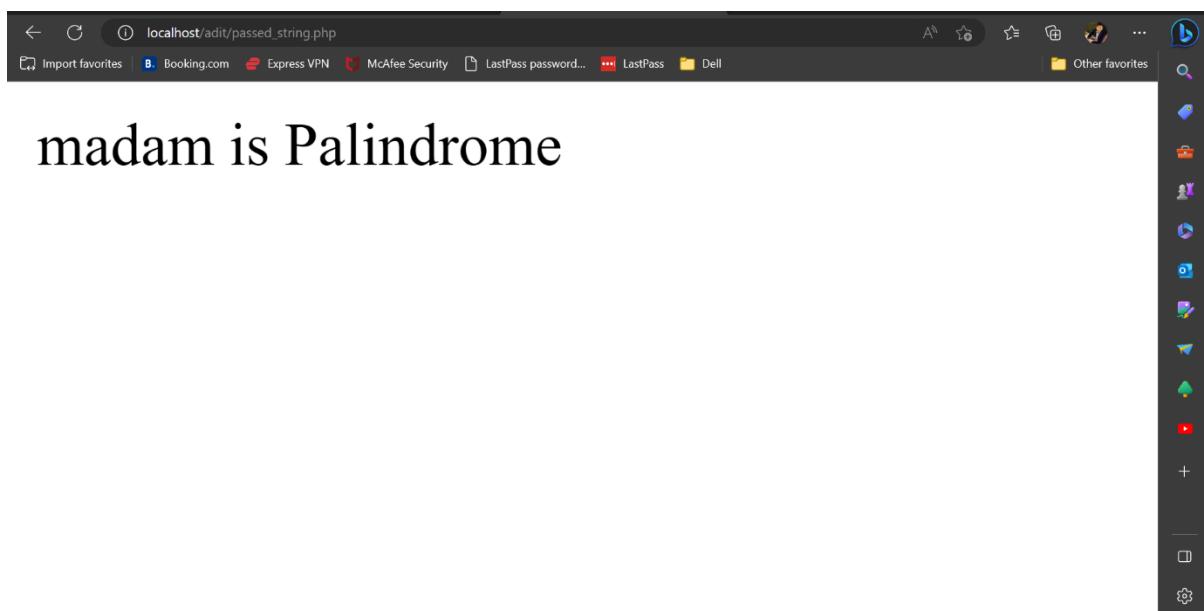
At the bottom of the editor, there are status indicators: Ln 2, Col 6, Spaces: 4, UTF-8, CRLF, PHP, Port: 5500, and a refresh icon.

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



²⁰ **Aim:** - Write a simple PHP class which displays the given string.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

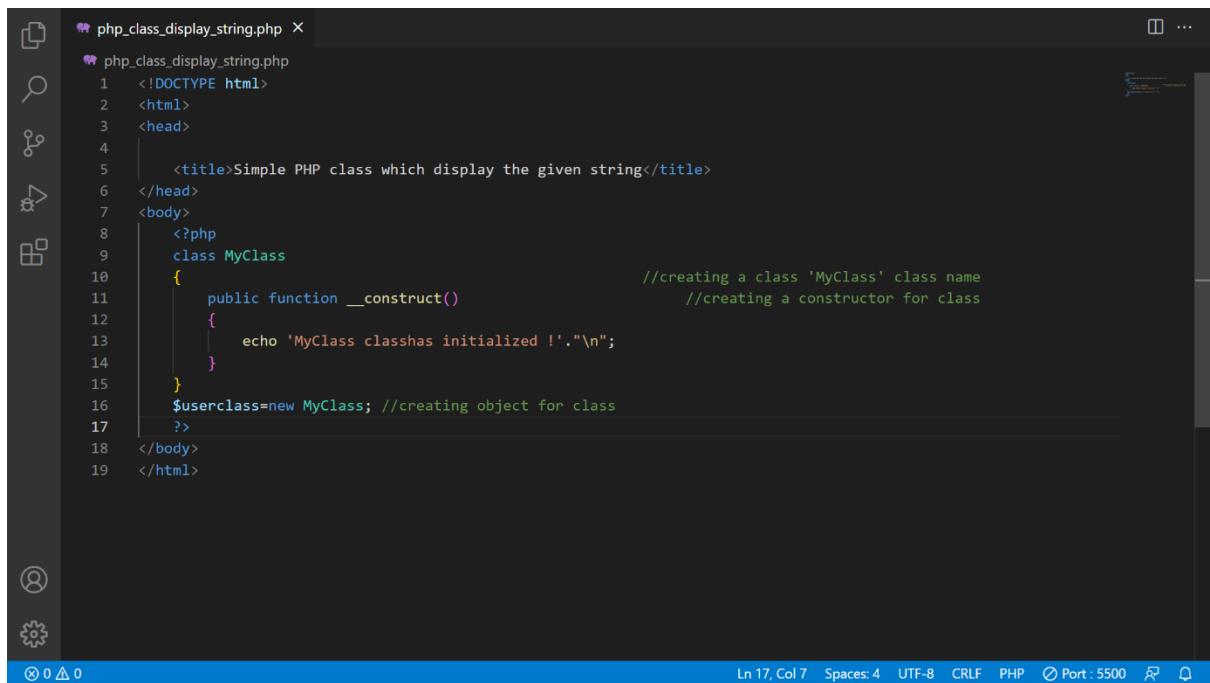
Then after write PHP code.

Code: -

```
<!DOCTYPE html>
<html lang="en">
<head>

<title>Simple PHP class which display the given string</title>
</head>
<body>
<?php
class MyClass
{
    //creating a class 'MyClass' class
name
    public function __construct() //creating a
constructor for class
    {
        echo 'MyClass class has initialized !'."\n";
    }
}
$userclass=new MyClass; //creating object for class
?>
</body>
</html>
```

Screenshot of code



The screenshot shows a code editor window with a dark theme. The main area displays a PHP script named `php_class_display_string.php`. The code defines a class `MyClass` with a constructor that prints a message to the browser. The code is as follows:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>Simple PHP class which display the given string</title>
5  </head>
6  <body>
7
8  <?php
9  class MyClass
10 {
11     public function __construct()
12     {
13         echo 'MyClass class has initialized !'."\n";
14     }
15 }
16 $userclass=new MyClass; //creating object for class
17 ?>
18 </body>
19 </html>
```

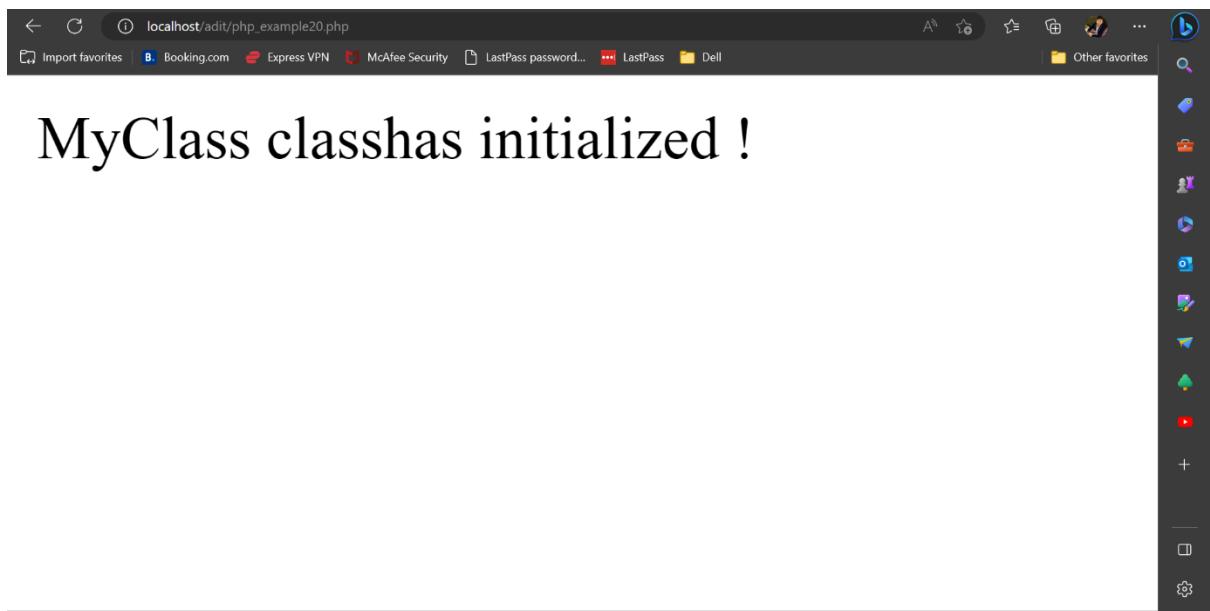
The status bar at the bottom shows the file path as `php_class_display_string.php`, line 17, column 7, and other details like spaces, encoding, and port.

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



21 Aim: - Write a PHP Calculator class which will accept two values as arguments, then add them, subtract them, multiply them together, or divide them on request.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

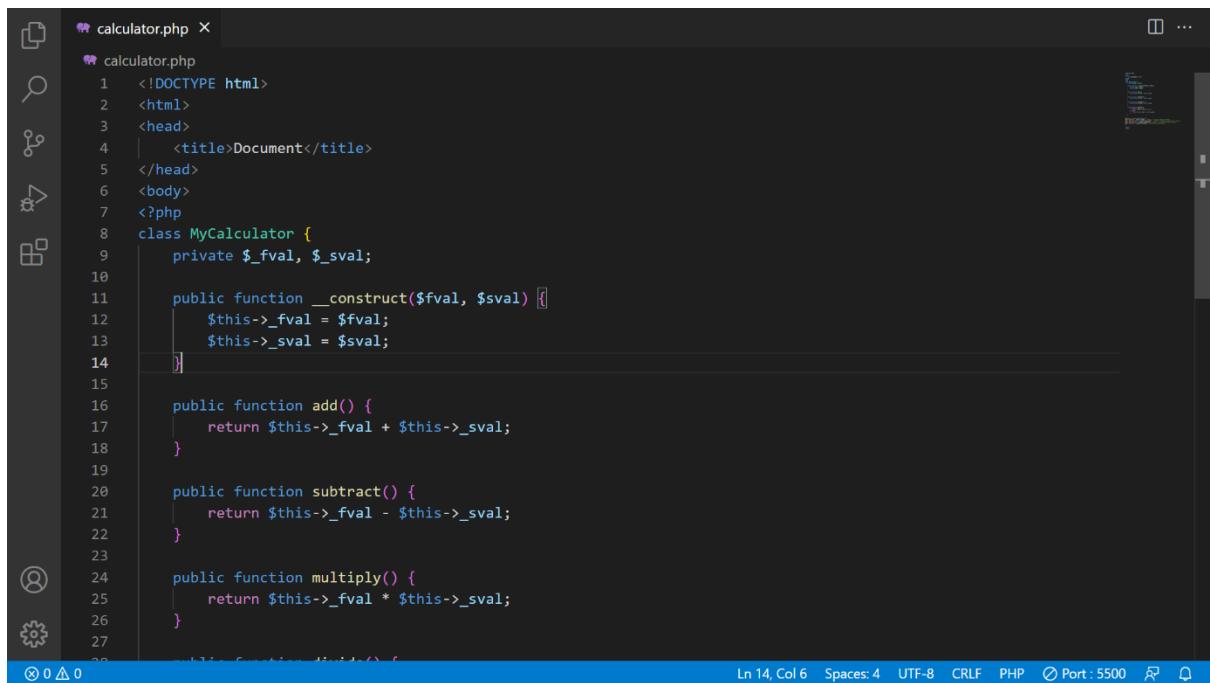
Then after write PHP code.

Code: -

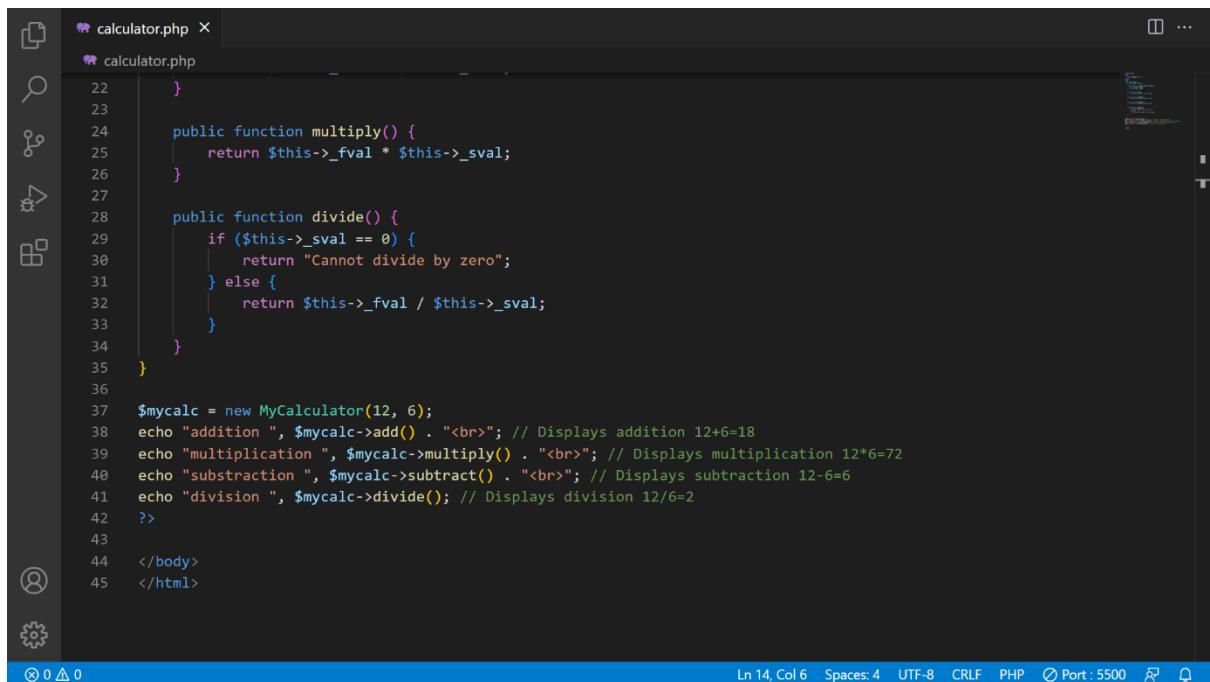
```
<!DOCTYPE html>
<html>
<head>
  <title>Document</title>
</head>
<body>
<?php
class MyCalculator {
  private $_fval, $_sval;
  public function __construct($fval, $sval) {
    $this->_fval = $fval;
    $this->_sval = $sval;
  }
  public function add() {
    return $this->_fval + $this->_sval;
  }
  public function subtract() {
    return $this->_fval - $this->_sval;
  }
  public function multiply() {
    return $this->_fval * $this->_sval;
  }
  public function divide() {
```

```
if ($this->_sval == 0) {  
    return "Cannot divide by zero";  
}  
else {  
    return $this->_fval / $this->_sval;  
}  
}  
}  
  
$mycalc = new MyCalculator(12, 6);  
  
echo "addition ", $mycalc->add() . "<br>"; // Displays addition  
12+6=18  
  
echo "multiplication ", $mycalc->multiply() . "<br>"; // Displays  
multiplication 12*6=72  
  
echo "subtraction ", $mycalc->subtract() . "<br>"; // Displays  
subtraction 12-6=6  
  
echo "division ", $mycalc->divide(); // Displays division 12/6=2  
?>  
</body>  
</html>
```

Screenshot of code



```
calculator.php X
calculator.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>Document</title>
5  </head>
6  <body>
7  </php>
8  class MyCalculator {
9      private $_fval, $_sval;
10
11     public function __construct($fval, $sval) {
12         $this->_fval = $fval;
13         $this->_sval = $sval;
14     }
15
16     public function add() {
17         return $this->_fval + $this->_sval;
18     }
19
20     public function subtract() {
21         return $this->_fval - $this->_sval;
22     }
23
24     public function multiply() {
25         return $this->_fval * $this->_sval;
26     }
27
28     public function divide() {
29         if ($this->_sval == 0) {
30             return "Cannot divide by zero";
31         } else {
32             return $this->_fval / $this->_sval;
33         }
34     }
35 }
36
37 $mycalc = new MyCalculator(12, 6);
38 echo "addition ", $mycalc->add() . "<br>"; // Displays addition 12+6=18
39 echo "multiplication ", $mycalc->multiply() . "<br>"; // Displays multiplication 12*6=72
40 echo "substraction ", $mycalc->subtract() . "<br>"; // Displays substraction 12-6=6
41 echo "division ", $mycalc->divide(); // Displays division 12/6=2
42 ?>
43
44 </body>
45 </html>
```



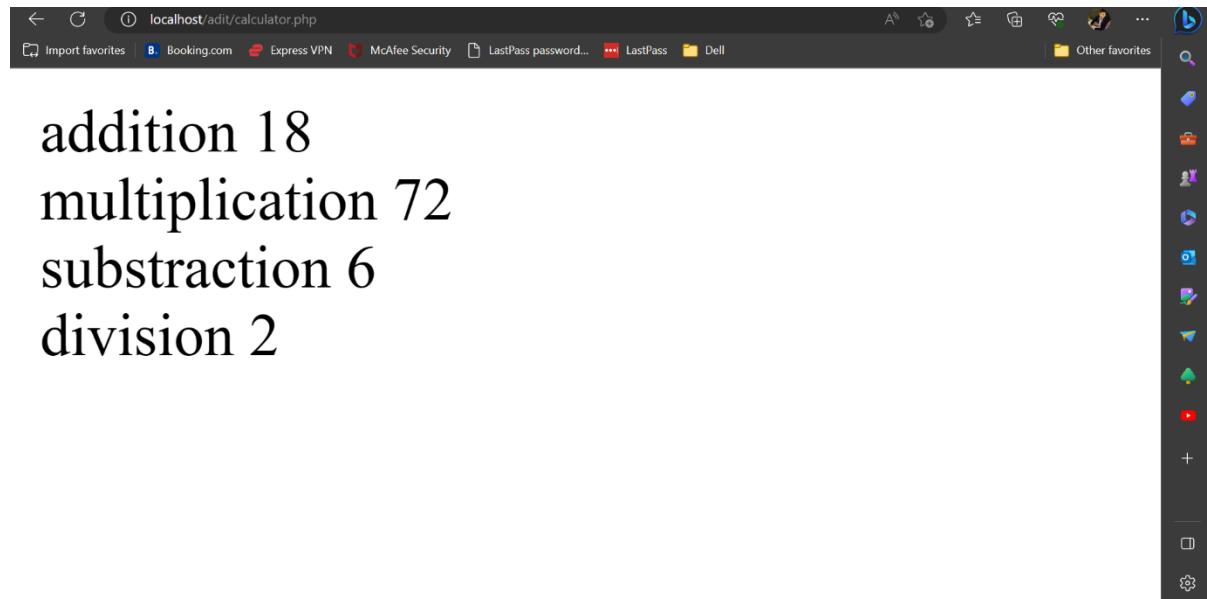
```
calculator.php X
calculator.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>Document</title>
5  </head>
6  <body>
7  </php>
8  class MyCalculator {
9      private $_fval, $_sval;
10
11     public function __construct($fval, $sval) {
12         $this->_fval = $fval;
13         $this->_sval = $sval;
14     }
15
16     public function add() {
17         return $this->_fval + $this->_sval;
18     }
19
20     public function subtract() {
21         return $this->_fval - $this->_sval;
22     }
23
24     public function multiply() {
25         return $this->_fval * $this->_sval;
26     }
27
28     public function divide() {
29         if ($this->_sval == 0) {
30             return "Cannot divide by zero";
31         } else {
32             return $this->_fval / $this->_sval;
33         }
34     }
35 }
36
37 $mycalc = new MyCalculator(12, 6);
38 echo "addition ", $mycalc->add() . "<br>"; // Displays addition 12+6=18
39 echo "multiplication ", $mycalc->multiply() . "<br>"; // Displays multiplication 12*6=72
40 echo "substraction ", $mycalc->subtract() . "<br>"; // Displays substraction 12-6=6
41 echo "division ", $mycalc->divide(); // Displays division 12/6=2
42 ?>
43
44 </body>
45 </html>
```

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



localhost/adit/calculator.php

Import favorites Booking.com Express VPN McAfee Security LastPass Dell Other favorites

addition 18
multiplication 72
substraction 6
division 2

22 **Aim:** - Write a PHP scripts to transform a string all uppercase, lowercase, first character uppercase, and first character of all words uppercase.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
</head>
<body>
<?php
//strtoupper is in-built function used for to make uppercase letters
print(strtoupper("all uppercase<br>"))."\n";
//strtolower is in-built function used for to make all into lower letters
print(strtolower("all lowercase<br>"))."\n";
// ucfirst is in-built function used for to make first character in a
statement as Uppercase
print(ucfirst("first character uppercase<br>"))."\n";
```

```

// ucwords is in-built function used for to make first character of
every word in a sentence as Uppercase

print(ucwords("first character of all words uppercase"))."\n";

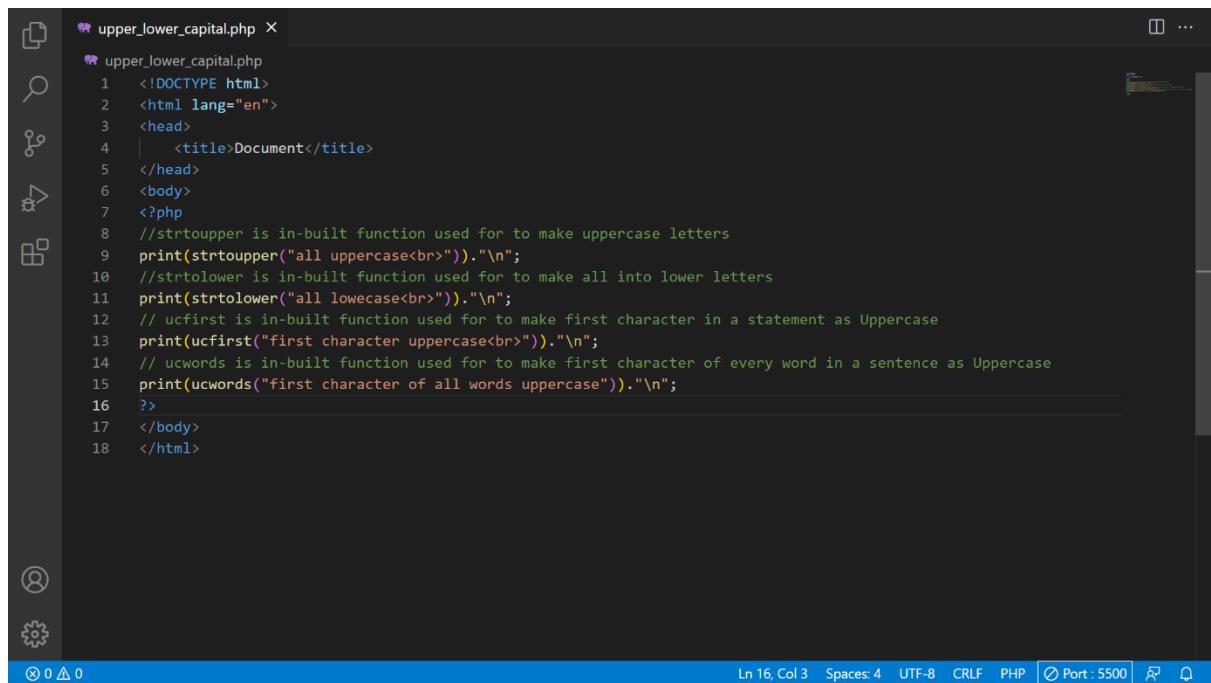
?>

</body>

</html>

```

Screenshot of code



The screenshot shows a code editor window with a dark theme. The file is named 'upper_lower_capital.php'. The code demonstrates various PHP string manipulation functions:

```

upper_lower_capital.php
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>Document</title>
5  </head>
6  <body>
7  <?php
8  //strtoupper is in-built function used for to make uppercase letters
9  print(strtoupper("all uppercase<br>"))."\n";
10 //strtolower is in-built function used for to make all into lower letters
11 print(strtolower("all lowercase<br>"))."\n";
12 // ucfirst is in-built function used for to make first character in a statement as Uppercase
13 print(ucfirst("first character uppercase<br>"))."\n";
14 // ucwords is in-built function used for to make first character of every word in a sentence as Uppercase
15 print(ucwords("first character of all words uppercase"))."\n";
16 ?>
17 </body>
18 </html>

```

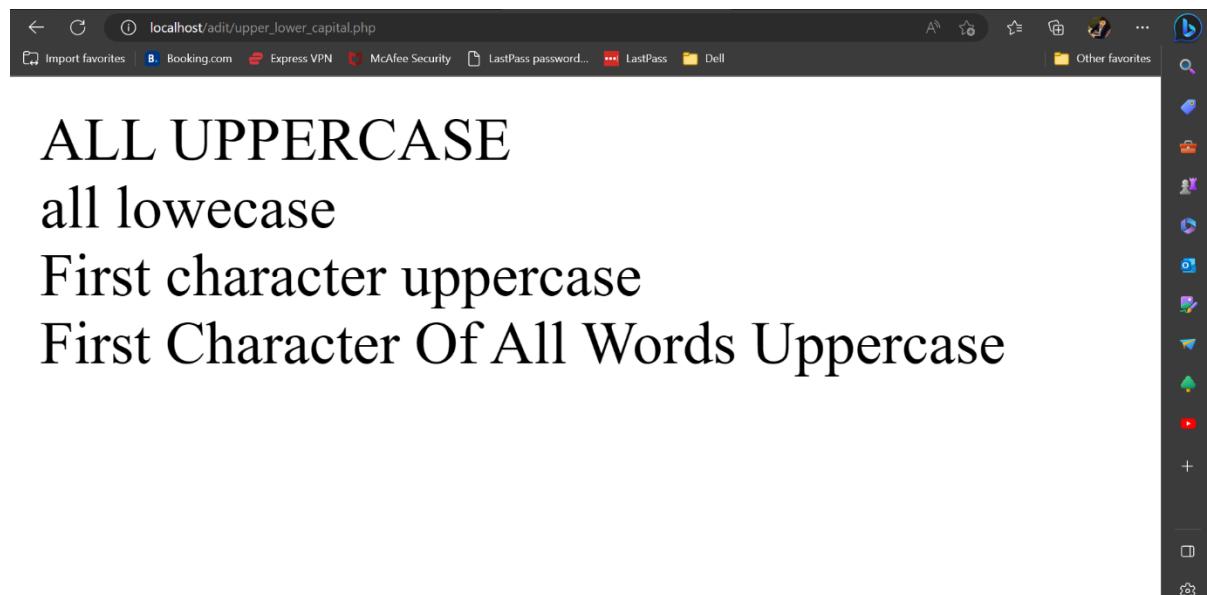
The status bar at the bottom shows: Ln 16, Col 3, Spaces: 4, UTF-8, CRLF, PHP, Port: 5500.

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



23 **Aim:** - Create a form in PHP and apply validations.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE HTML>

<html>
<head>
</head>
<body>
<?php
// define variables and set to empty values
$name = $email = $gender = $comment = $website = "";
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = test_input($_POST["name"]);
    $email = test_input($_POST["email"]);
    $website = test_input($_POST["website"]);
```

```
$comment = test_input($_POST["comment"]);
$gender = test_input($_POST["gender"]);
}

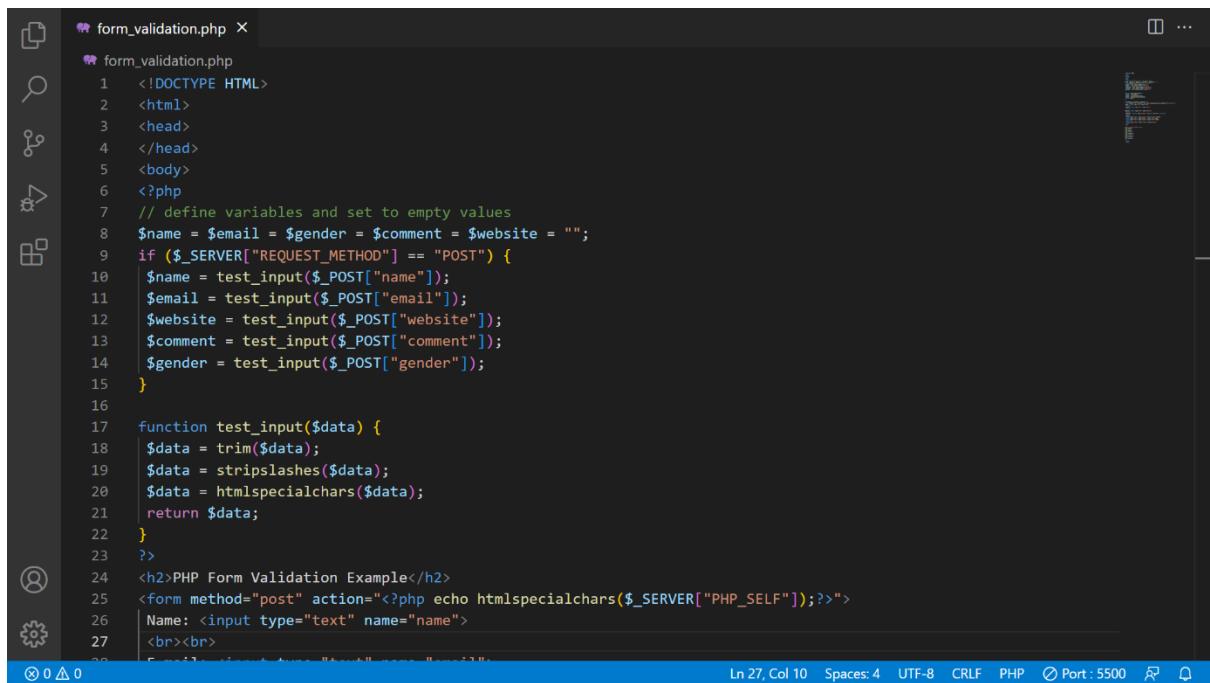
function test_input($data) {
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}

?>

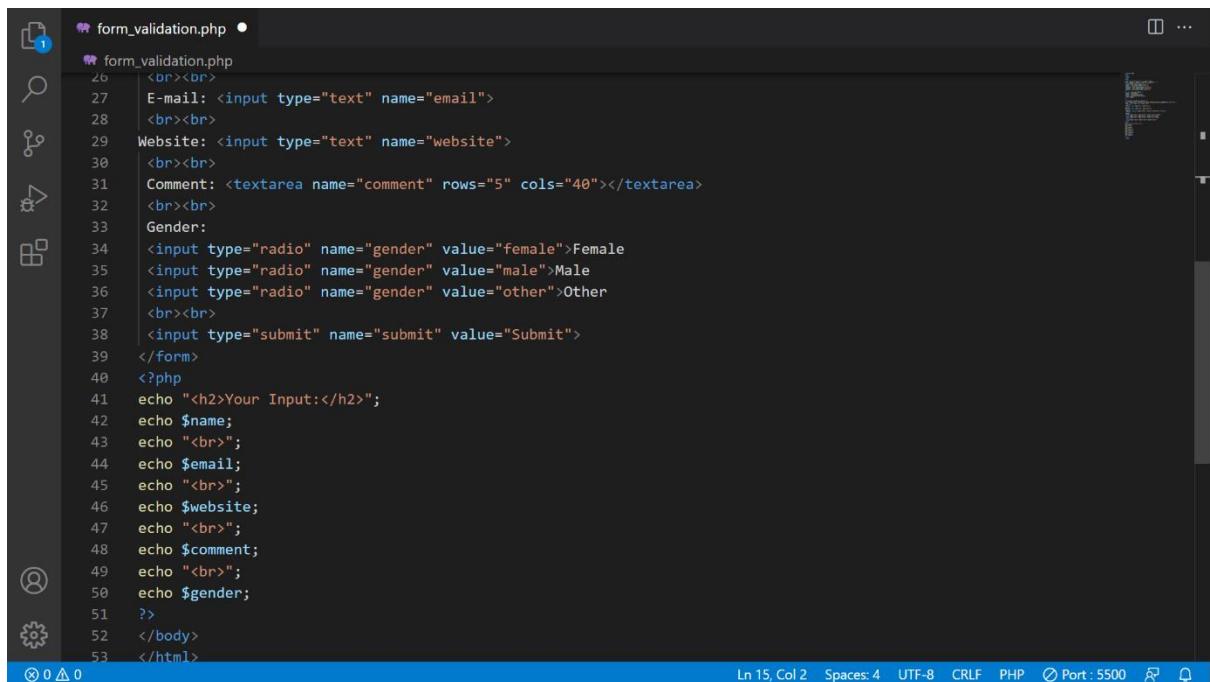
<h2>PHP Form Validation Example</h2>
<form method="post" action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]);?>">
    Name: <input type="text" name="name">
    <br><br>
    E-mail: <input type="text" name="email">
    <br><br>
    Website: <input type="text" name="website">
    <br><br>
    Comment: <textarea name="comment" rows="5"
cols="40"></textarea>
    <br><br>
    Gender:
    <input type="radio" name="gender" value="female">Female
```

```
<input type="radio" name="gender" value="male">Male
<input type="radio" name="gender" value="other">Other
<br><br>
<input type="submit" name="submit" value="Submit">
</form>
<?php
echo "<h2>Your Input:</h2>";
echo $name;
echo "<br>";
echo $email;
echo "<br>";
echo $website;
echo "<br>";
echo $comment;
echo "<br>";
echo $gender;
?>
</body>
</html>
```

Screenshot of code



```
form_validation.php
1  <!DOCTYPE HTML>
2  <html>
3  <head>
4  </head>
5  <body>
6  <?php
7  // define variables and set to empty values
8  $name = $email = $gender = $comment = $website = "";
9  if ($_SERVER["REQUEST_METHOD"] == "POST") {
10    $name = test_input($_POST["name"]);
11    $email = test_input($_POST["email"]);
12    $website = test_input($_POST["website"]);
13    $comment = test_input($_POST["comment"]);
14    $gender = test_input($_POST["gender"]);
15  }
16
17  function test_input($data) {
18    $data = trim($data);
19    $data = stripslashes($data);
20    $data = htmlspecialchars($data);
21    return $data;
22  }
23  ?>
24 <h2>PHP Form Validation Example</h2>
25 <form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
26   Name: <input type="text" name="name">
27   <br><br>
```



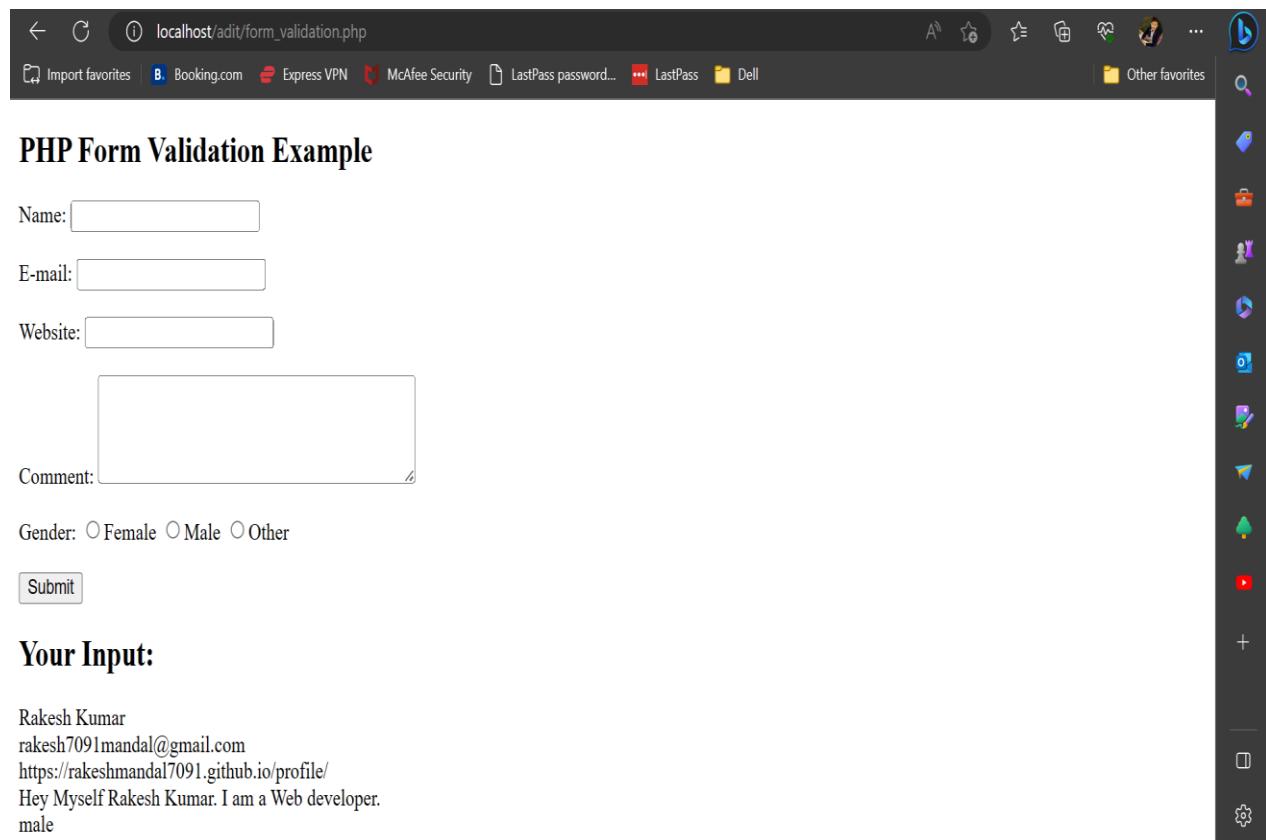
```
form_validation.php
1  <br><br>
2  E-mail: <input type="text" name="email">
3  <br><br>
4  Website: <input type="text" name="website">
5  <br><br>
6  Comment: <textarea name="comment" rows="5" cols="40"></textarea>
7  <br><br>
8  Gender:
9
10  <input type="radio" name="gender" value="female">Female
11  <input type="radio" name="gender" value="male">Male
12  <input type="radio" name="gender" value="other">Other
13  <br><br>
14  <input type="submit" name="submit" value="Submit">
15
16  </form>
17  <?php
18  echo "<h2>Your Input:</h2>";
19  echo $name;
20  echo "<br>";
21  echo $email;
22  echo "<br>";
23  echo $website;
24  echo "<br>";
25  echo $comment;
26  echo "<br>";
27  echo $gender;
28  ?>
29  </body>
30  </html>
```

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



localhost/adit/form_validation.php

Name:

E-mail:

Website:

Comment:

Gender: Female Male Other

Your Input:

Rakesh Kumar
rakesh7091mandal@gmail.com
<https://rakeshmandal7091.github.io/profile/>
Hey Myself Rakesh Kumar. I am a Web developer.
male

24 **Aim:** - Create a date and time from a number of parameters in **mktime()**.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

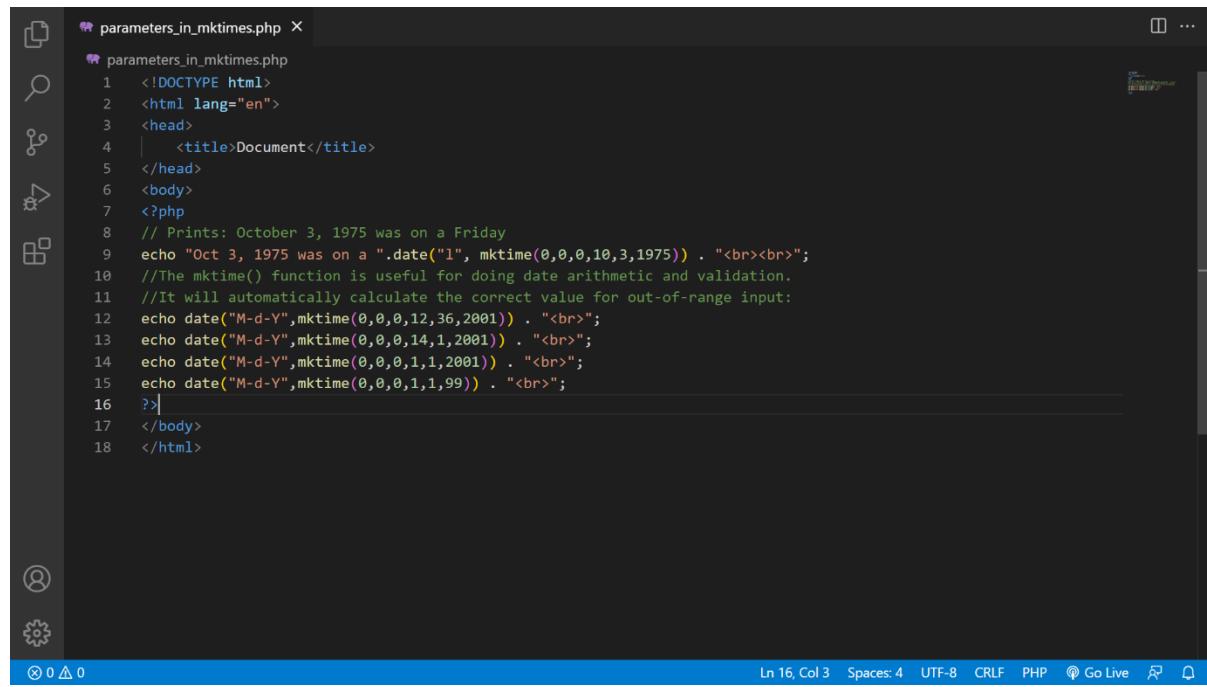
Code: -

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
</head>
<body>
<?php
// Prints: October 3, 1975 was on a Friday
echo "Oct 3, 1975 was on a ".date("l", mktime(0,0,0,10,3,1975)) .
"<br><br>";
//The mktime() function is useful for doing date arithmetic and
validation.
```

//It will automatically calculate the correct value for out-of-range input:

```
echo date("M-d-Y",mktime(0,0,0,12,36,2001)) . "<br>";  
echo date("M-d-Y",mktime(0,0,0,14,1,2001)) . "<br>";  
echo date("M-d-Y",mktime(0,0,0,1,1,2001)) . "<br>";  
echo date("M-d-Y",mktime(0,0,0,1,1,99)) . "<br>";  
?>  
</body>  
</html>
```

Screenshot of code



The screenshot shows a code editor window with a dark theme. The file is named 'parameters_in_mktime.php'. The code is as follows:

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
<title>Document</title>  
</head>  
<body>  
<?php  
// Prints: October 3, 1975 was on a Friday  
echo "Oct 3, 1975 was on a ".date("l", mktime(0,0,0,10,3,1975)) . "<br><br>";  
//The mktime() function is useful for doing date arithmetic and validation.  
//It will automatically calculate the correct value for out-of-range input:  
echo date("M-d-Y",mktime(0,0,0,12,36,2001)) . "<br>";  
echo date("M-d-Y",mktime(0,0,0,14,1,2001)) . "<br>";  
echo date("M-d-Y",mktime(0,0,0,1,1,2001)) . "<br>";  
echo date("M-d-Y",mktime(0,0,0,1,1,99)) . "<br>";  
?>  
</body>  
</html>
```

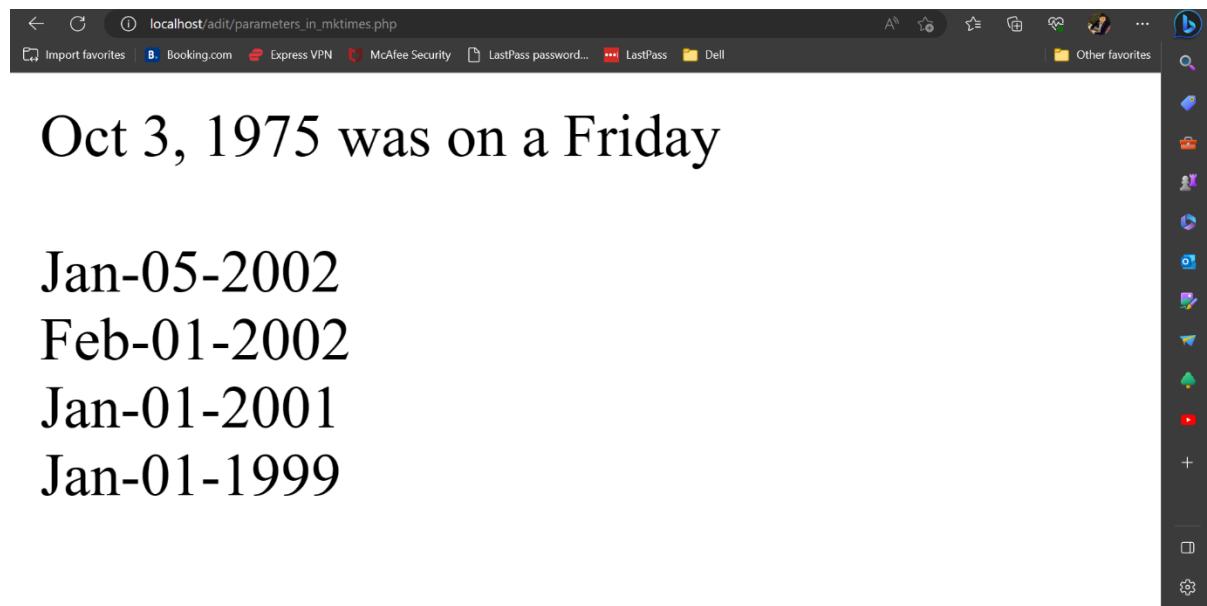
The status bar at the bottom of the editor shows: Ln 16, Col 3 Spaces: 4 UTF-8 CRLF PHP Go Live

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



Jan-05-2002

Feb-01-2002

Jan-01-2001

Jan-01-1999

25 **Aim:** - Create a date and time from the `strtotime()` function..

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>
<html>
<head>
    <title>time_date</title>
</head>
<body>
<?php
echo(strtotime("now") . "<br>");
echo(strtotime("5 july 2023") . "<br>");
echo(strtotime("+4 hours") . "<br>");
echo(strtotime("+2 week") . "<br>");
```

```

echo(strtotime("+2 week 2 days 5 hours 5 seconds") . "<br>");

echo(strtotime("next Sunday") . "<br>");

echo(strtotime("last Monday"));

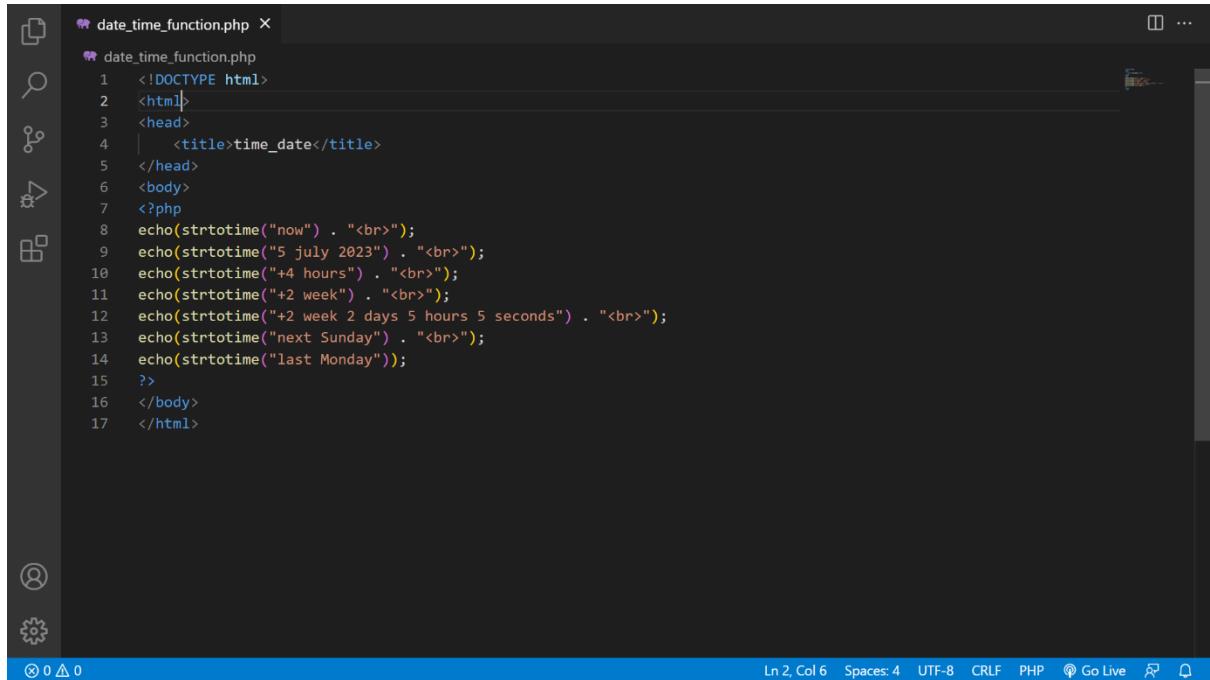
?>

</body>

</html>

```

Screenshot of code



The screenshot shows a code editor window with a dark theme. The file is named 'date_time_function.php'. The code contains PHP code that outputs various dates and times using the `strtotime` function. The code is as follows:

```

date_time_function.php
date_time_function.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |  <title>time_date</title>
5  </head>
6  <body>
7  <?php
8  echo(strtotime("now") . "<br>");
9  echo(strtotime("5 july 2023") . "<br>");
10 echo(strtotime("+4 hours") . "<br>");
11 echo(strtotime("+2 week") . "<br>");
12 echo(strtotime("+2 week 2 days 5 hours 5 seconds") . "<br>");
13 echo(strtotime("next Sunday") . "<br>");
14 echo(strtotime("last Monday"));
15 ?>
16 </body>
17 </html>

```

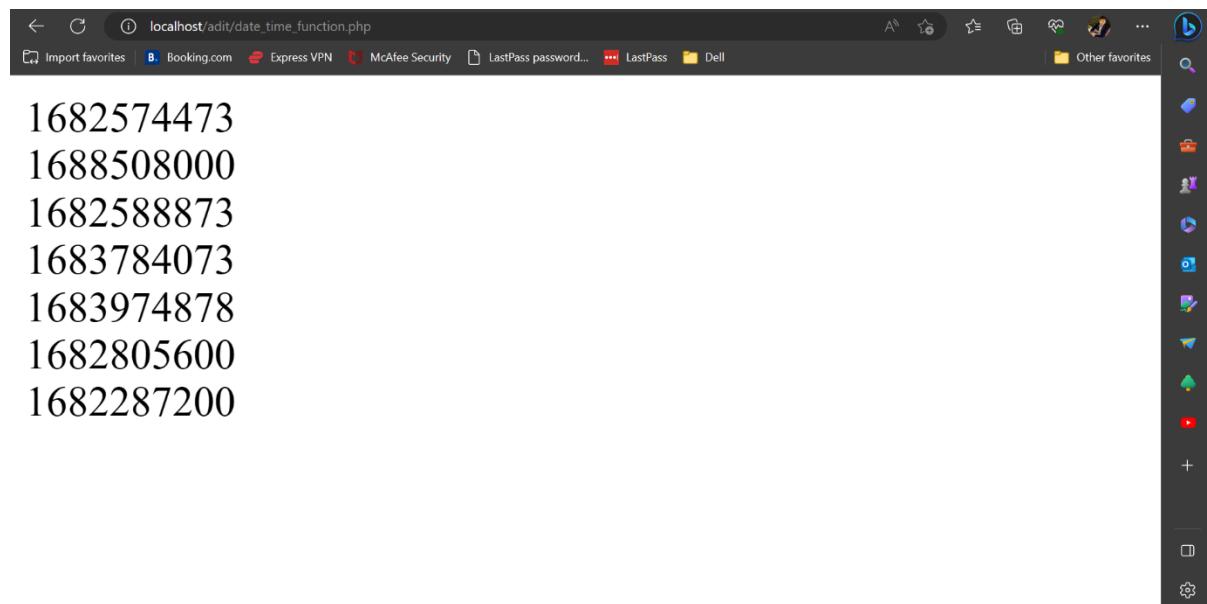
The status bar at the bottom of the editor shows: Ln 2, Col 6, Spaces: 4, UTF-8, CRLF, PHP, Go Live.

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



1682574473
1688508000
1682588873
1683784073
1683974878
1682805600
1682287200

²⁶ **Aim:** - Output the dates for the next six Saturdays.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

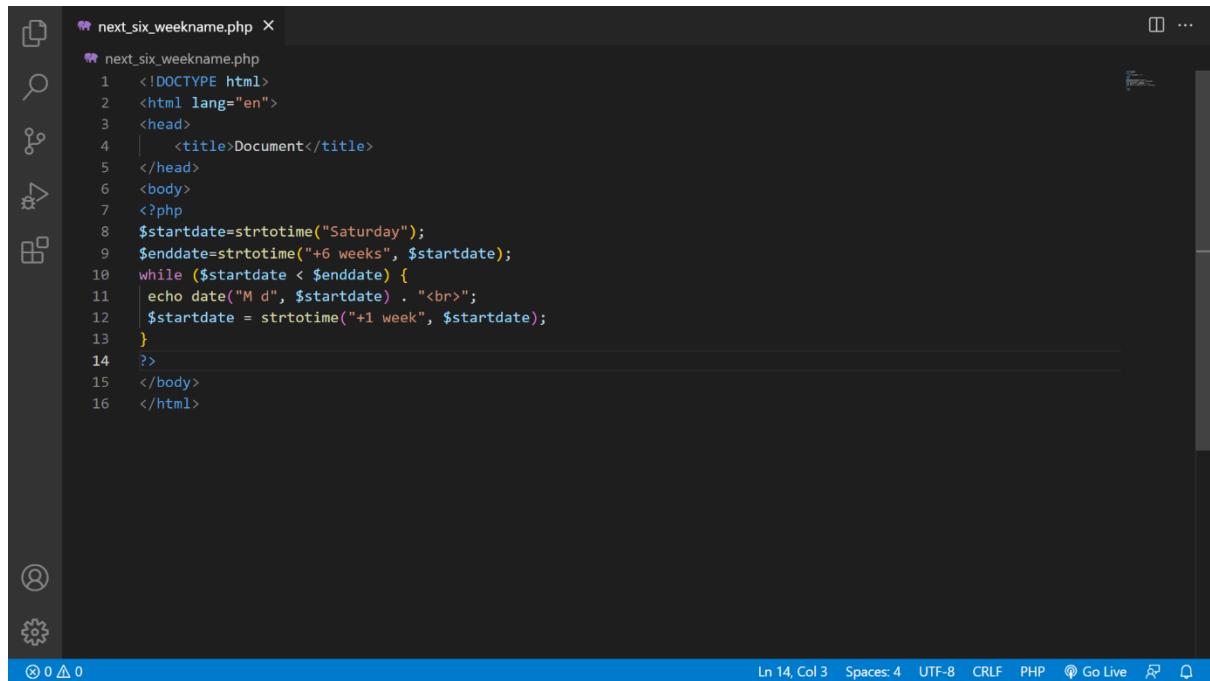
Then after write PHP code.

Code: -

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Document</title>
</head>
<body>
<?php
$startdate=strtotime("Saturday");
$enddate=strtotime("+6 weeks", $startdate);
while ($startdate < $enddate) {
  echo date("M d", $startdate) . "<br>";
  $startdate = strtotime("+1 week", $startdate);
}
}
```

```
?>  
</body>  
</html>
```

Screenshot of code



The screenshot shows a code editor window with a dark theme. The file is named 'next_six_weekname.php'. The code is as follows:

```
next_six_weekname.php
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>Document</title>
5  </head>
6  <body>
7  <?php
8  $startdate=strtotime("Saturday");
9  $enddate=strtotime("+6 weeks", $startdate);
10 while ($startdate < $enddate) {
11 | echo date("M d", $startdate) . "<br>";
12 | $startdate = strtotime("+1 week", $startdate);
13 }
14 ?>
15 </body>
16 </html>
```

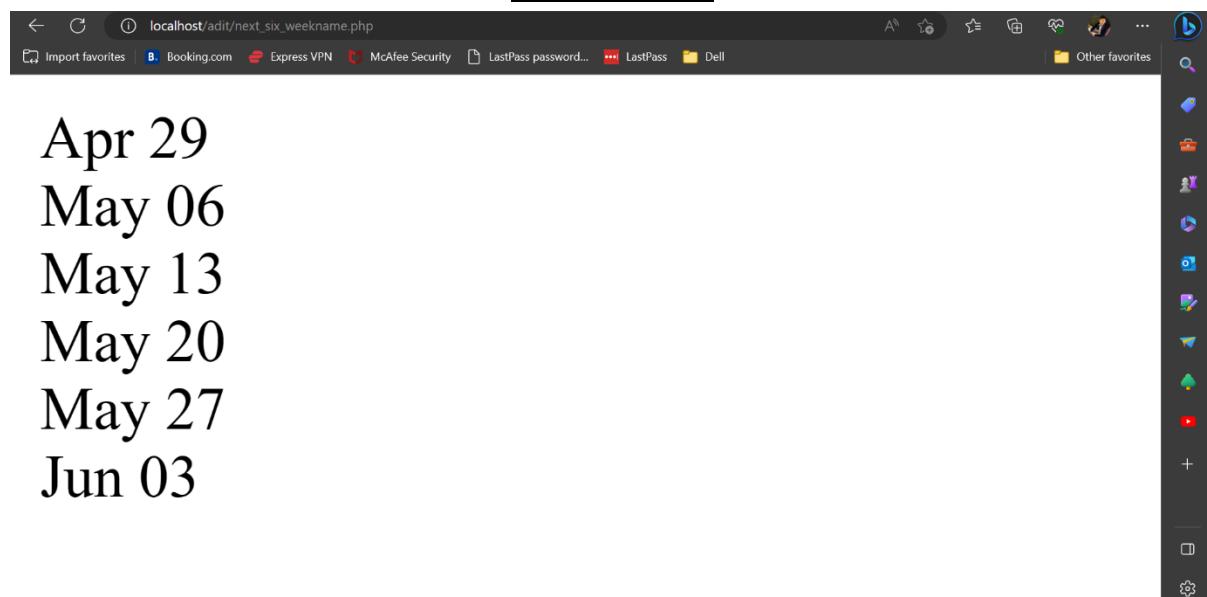
The status bar at the bottom shows: Ln 14, Col 3 Spaces: 4 UTF-8 CRLF PHP Go Live

Then after executed code:-

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



Apr 29
May 06
May 13
May 20
May 27
Jun 03

27 **Aim:** - Create and retrieve a cookie.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>

<?php
$cookie_name = "user";
$cookie_value = "Rakesh Kumar";
setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/");
// 86400 = 1 day
?>

<html>
<body>
<?php
if(!isset($_COOKIE[$cookie_name])) {
echo "Cookie named '" . $cookie_name . "' is not set!";
```

```

} else {

echo "Cookie '" . $cookie_name . "' is set!<br>";

echo "Value is: " . $_COOKIE[$cookie_name];

}

?>

<p><strong>Note:</strong> You might have to reload the page to see
the value of the

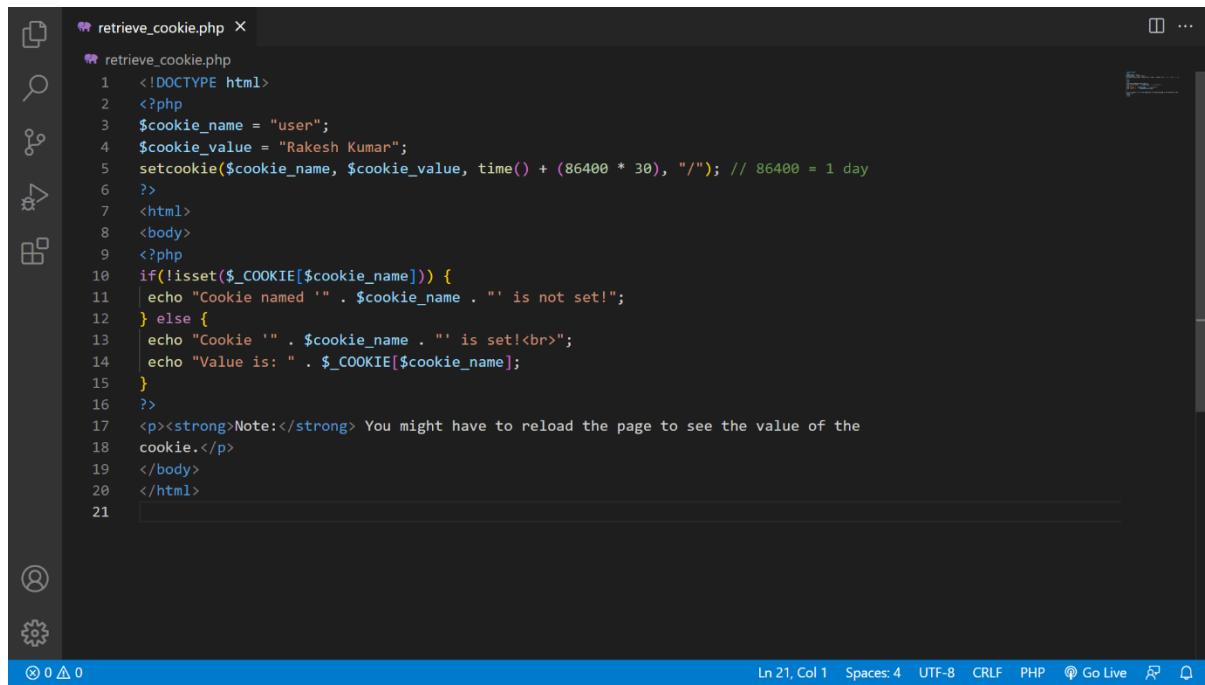
cookie.</p>

</body>

</html>

```

Screenshot of code



```

retrieve_cookie.php x
retrieve_cookie.php
1  <!DOCTYPE html>
2  <?php
3  $cookie_name = "user";
4  $cookie_value = "Rakesh Kumar";
5  setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/");
6  ?>
7  <html>
8  <body>
9  <?php
10 if(!isset($_COOKIE[$cookie_name])) {
11 echo "Cookie named '" . $cookie_name . "' is not set!";
12 } else {
13 echo "Cookie '" . $cookie_name . "' is set!<br>";
14 echo "Value is: " . $_COOKIE[$cookie_name];
15 }
16 ?>
17 <p><strong>Note:</strong> You might have to reload the page to see the value of the
18 cookie.</p>
19 </body>
20 </html>
21

```

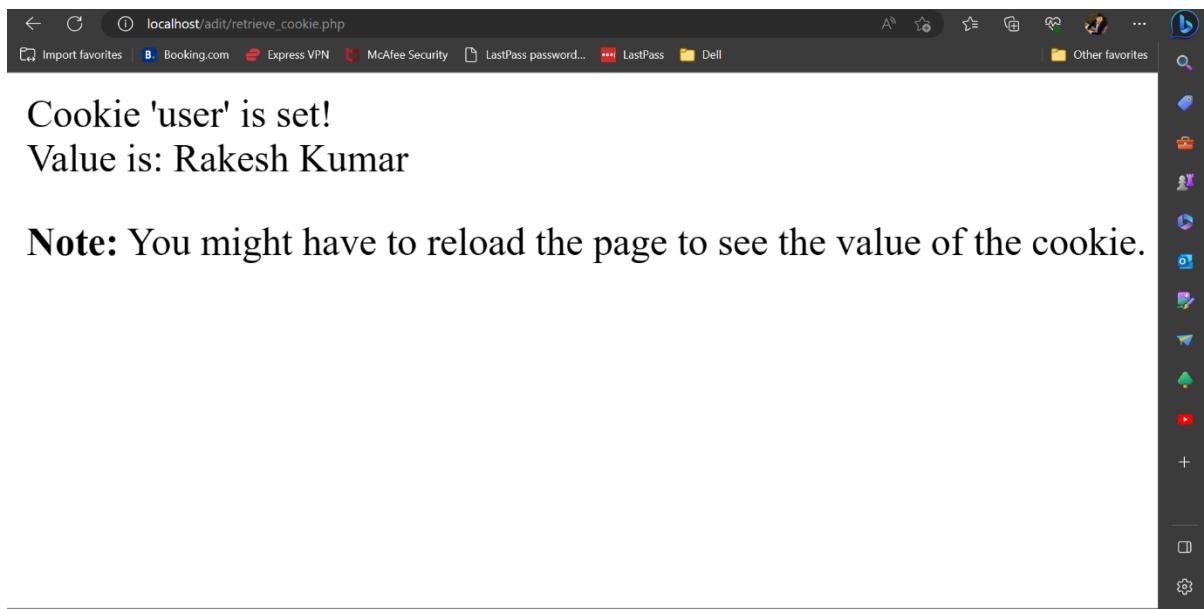
Ln 21, Col 1 Spaces: 4 UTF-8 CRLF PHP ⚡ Go Live ⚡

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



Note: You might have to reload the page to see the value of the cookie.

28 **Aim:** - Modify a cookie value.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

Code of cookie value not set

```
<!DOCTYPE html>

<?php
$cookie_name = "user";
$cookie_value = "";
setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/");
?>

<html>
<body>
<?php
if(!isset($_COOKIE[$cookie_name])) {
echo "Cookie named '" . $cookie_name . "' is not set!";
} else {
```

```

echo "Cookie '" . $cookie_name . "' is set!<br>";
echo "Value is: " . $_COOKIE[$cookie_name];
}

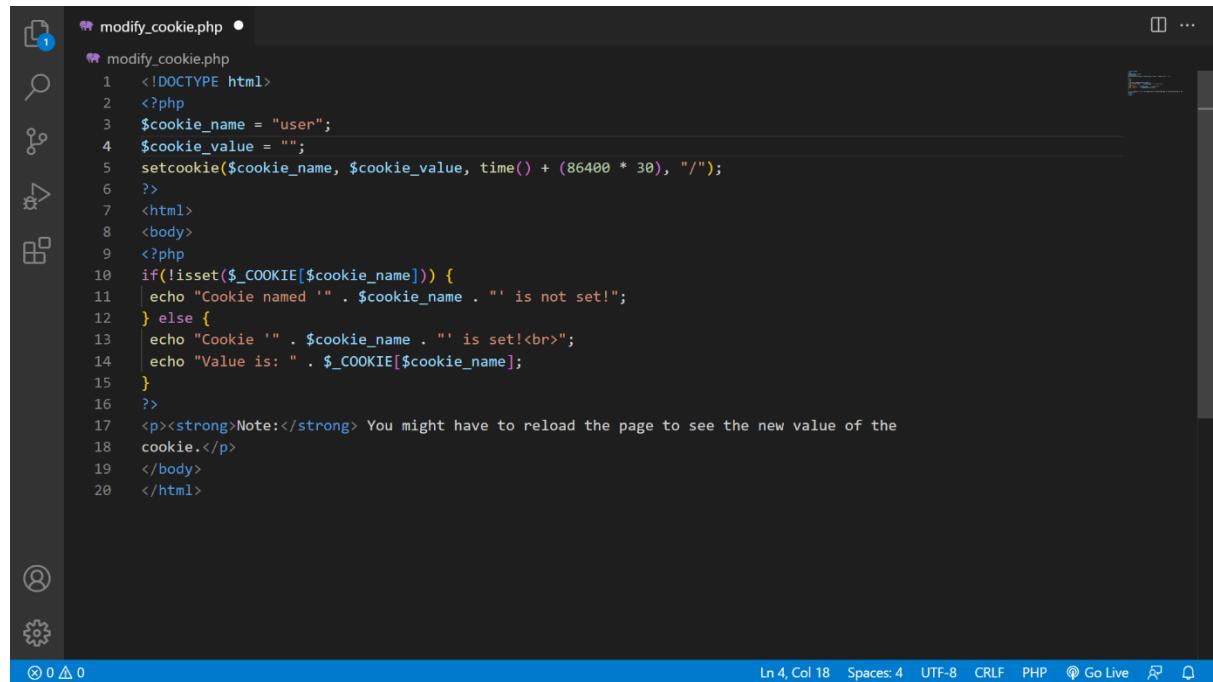
?>

<p><strong>Note:</strong> You might have to reload the page to see
the new value of the
cookie.</p>
</body>
</html>

```

Screenshot of code

Cookie value not set



```

modify_cookie.php
1  <!DOCTYPE html>
2  <?php
3  $cookie_name = "user";
4  $cookie_value = "";
5  setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/");
6  ?>
7  <html>
8  <body>
9  <?php
10 if(!isset($_COOKIE[$cookie_name])) {
11 | echo "Cookie named '" . $cookie_name . "' is not set!";
12 } else {
13 | echo "Cookie '" . $cookie_name . "' is set!<br>";
14 | echo "Value is: " . $_COOKIE[$cookie_name];
15 }
16 ?>
17 <p><strong>Note:</strong> You might have to reload the page to see the new value of the
18 cookie.</p>
19 </body>
20 </html>

```

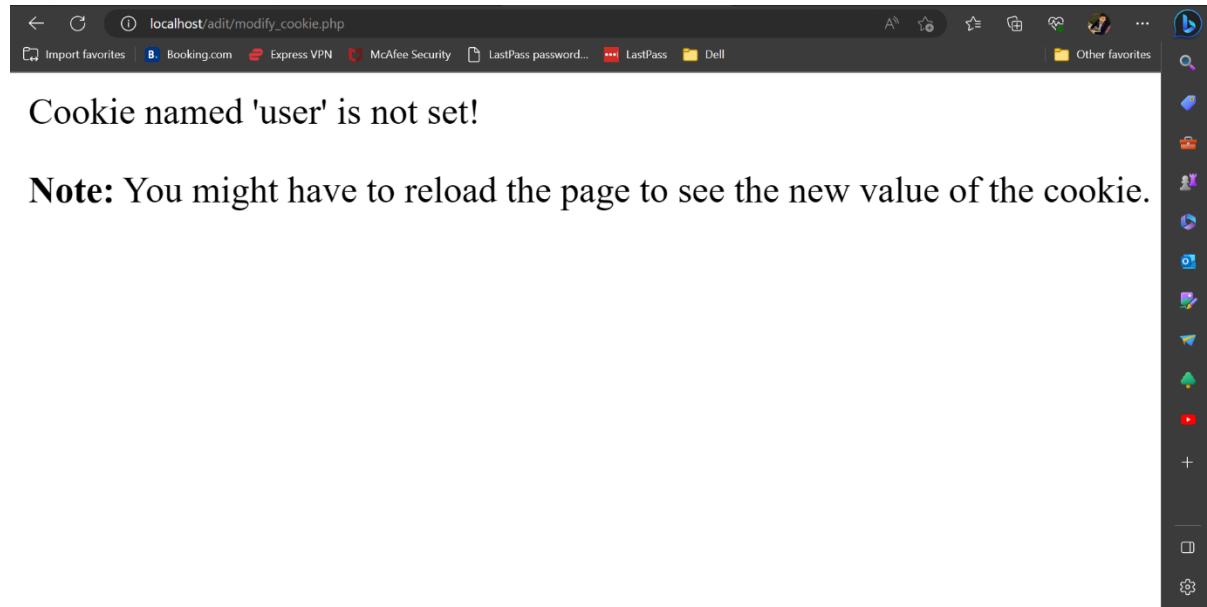
Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -

Cookie value not set



Code: -

Cookie value is set

```
<!DOCTYPE html>

<?php
$cookie_name = "user";
$cookie_value = "Hello Rakesh";
setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/");
?>

<html>
<body>
<?php
if(!isset($_COOKIE[$cookie_name])) {
```

```

echo "Cookie named '" . $cookie_name . "' is not set!";

} else {

echo "Cookie '" . $cookie_name . "' is set!<br>";

echo "Value is: " . $_COOKIE[$cookie_name];

}

?>

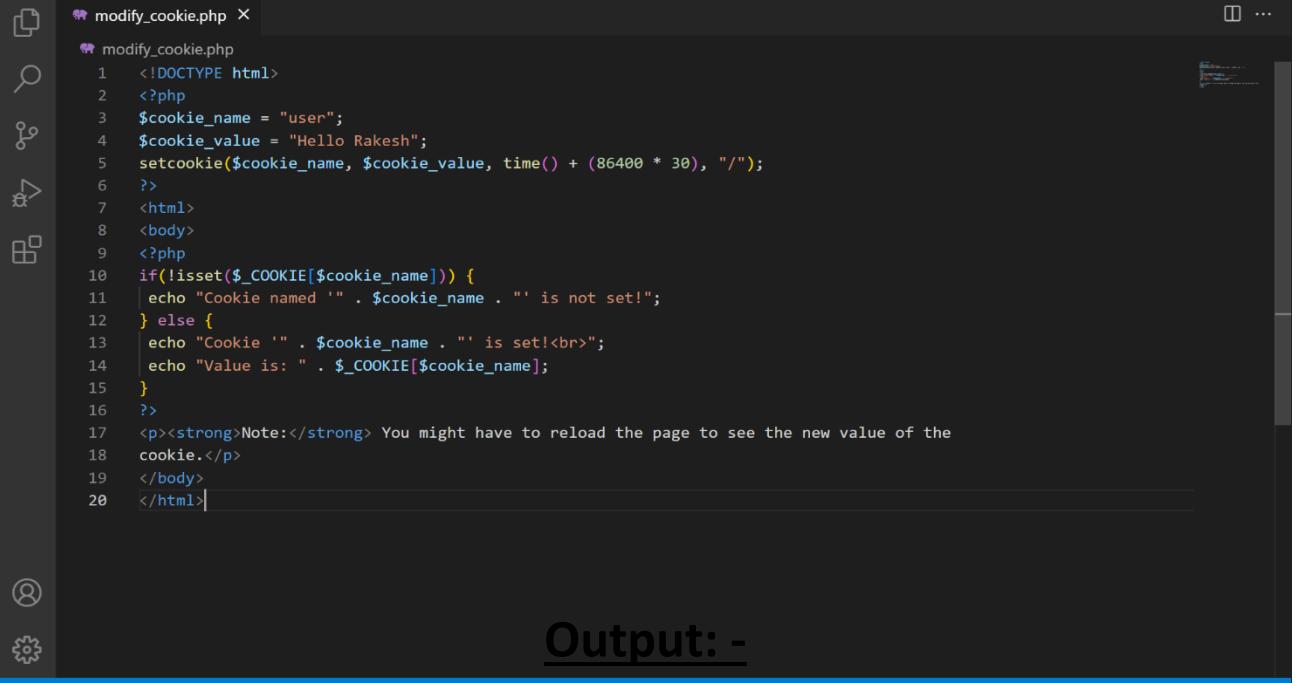
<p><strong>Note:</strong> You might have to reload the page to see
the new value of the
cookie.</p>

</body>

</html>

```

Screenshot of code



```

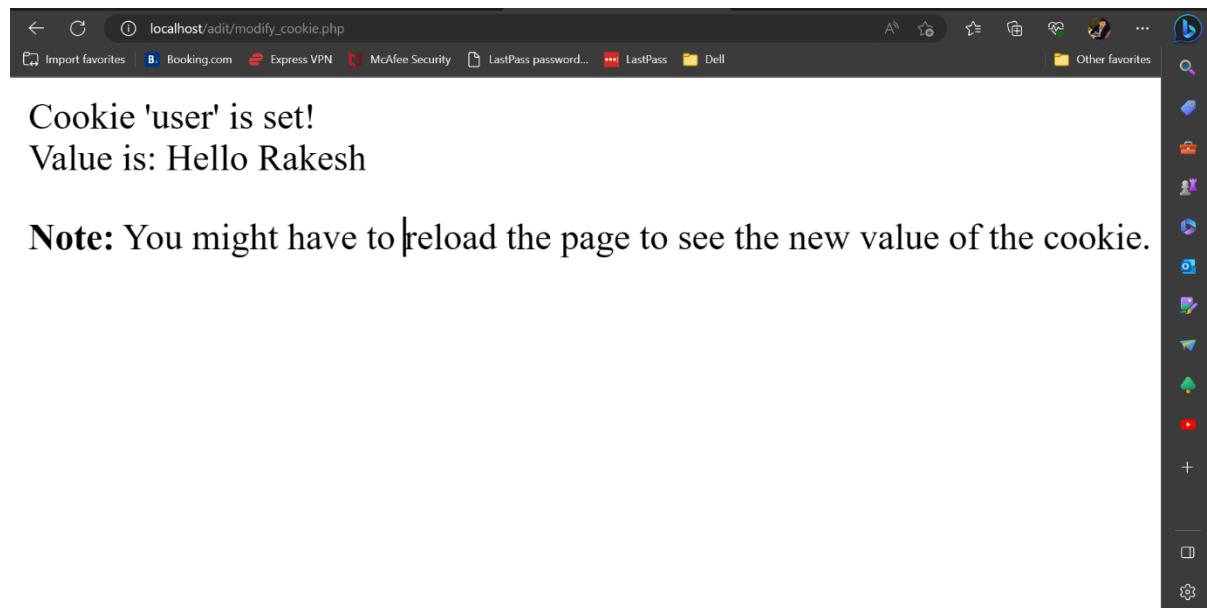
modify_cookie.php
1  <!DOCTYPE html>
2  <?php
3  $cookie_name = "user";
4  $cookie_value = "Hello Rakesh";
5  setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/");
6  ?>
7  <html>
8  <body>
9  <?php
10 if(!isset($_COOKIE[$cookie_name])) {
11 echo "Cookie named '" . $cookie_name . "' is not set!";
12 } else {
13 echo "Cookie '" . $cookie_name . "' is set!<br>";
14 echo "Value is: " . $_COOKIE[$cookie_name];
15 }
16 ?>
17 <p><strong>Note:</strong> You might have to reload the page to see the new value of the
18 cookie.</p>
19 </body>
20 </html>

```

Output: -

Cookie value is set

Ln 20, Col 8 Spaces: 4 UTF-8 CRLF PHP Go Live



Cookie 'user' is set!
Value is: Hello Rakesh

Note: You might have to reload the page to see the new value of the cookie.

²⁹ **Aim:** - Delete a cookie.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

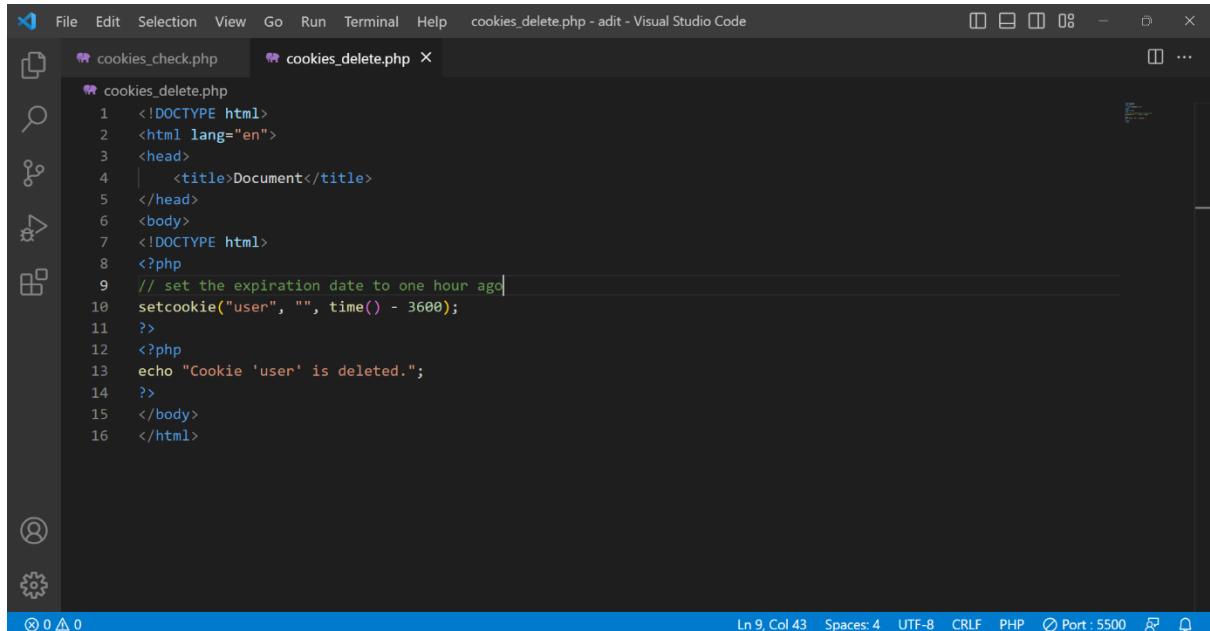
Then after write PHP code.

Code: -

```
<html>
<head>
    <title>Document</title>
</head>
<body>
<!DOCTYPE html>
<?php
// set the expiration date to one hour ago
setcookie("user", "", time() - 3600);
?>
<?php
echo "Cookie 'user' is deleted.";
?>
</body>
```

</html>

Screenshot of code



```
File Edit Selection View Go Run Terminal Help cookies_delete.php - adit - Visual Studio Code
cookies_check.php cookies_delete.php

cookies_delete.php
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>Document</title>
5  </head>
6  <body>
7  <!DOCTYPE html>
8  <?php
9  // set the expiration date to one hour ago
10 setcookie("user", "", time() - 3600);
11 ?>
12 <?php
13 echo "Cookie 'user' is deleted.";
14 ?>
15 </body>
16 </html>

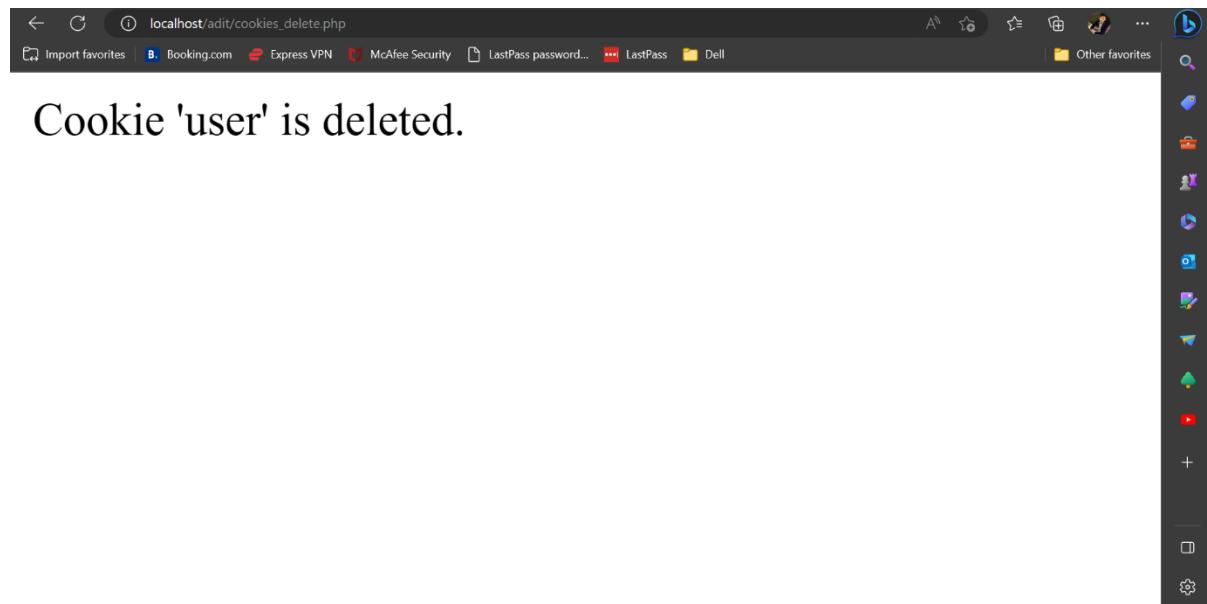
Ln 9, Col 43  Spaces: 4  UTF-8  CRLF  PHP  Port: 5500  ⚡  ⚡
```

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



30 **Aim:** - Check if cookies are enabled

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

1 Working PC.

2 Windows Operating System.

3 Xampp server and also PHP.

4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
</head>
<body>
<?php
setcookie("test_cookie", "test", time() + 3600, '/');
?>

<?php
if(count($_COOKIE) > 0) {
    echo "Cookies are enabled.";
} else {
    echo "Cookies are disabled.";
```

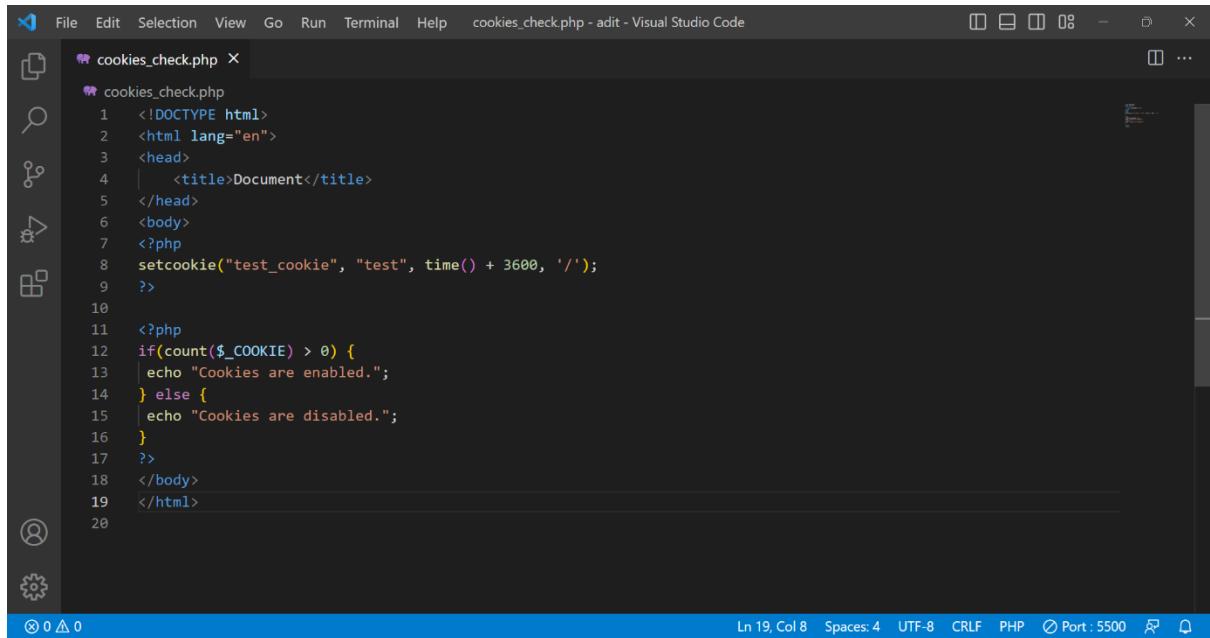
```
}
```

```
?>
```

```
</body>
```

```
</html>
```

Screenshot of code



```
cookies_check.php
```

```
cookies_check.php
```

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <title>Document</title>
5  </head>
6  <body>
7  <?php
8  setcookie("test_cookie", "test", time() + 3600, '/');
9  ?>
10 <?php
11 if(count($_COOKIE) > 0) {
12 echo "Cookies are enabled.";
13 } else {
14 echo "Cookies are disabled.";
15 }
16 ?>
17 </body>
18 </html>
19
```

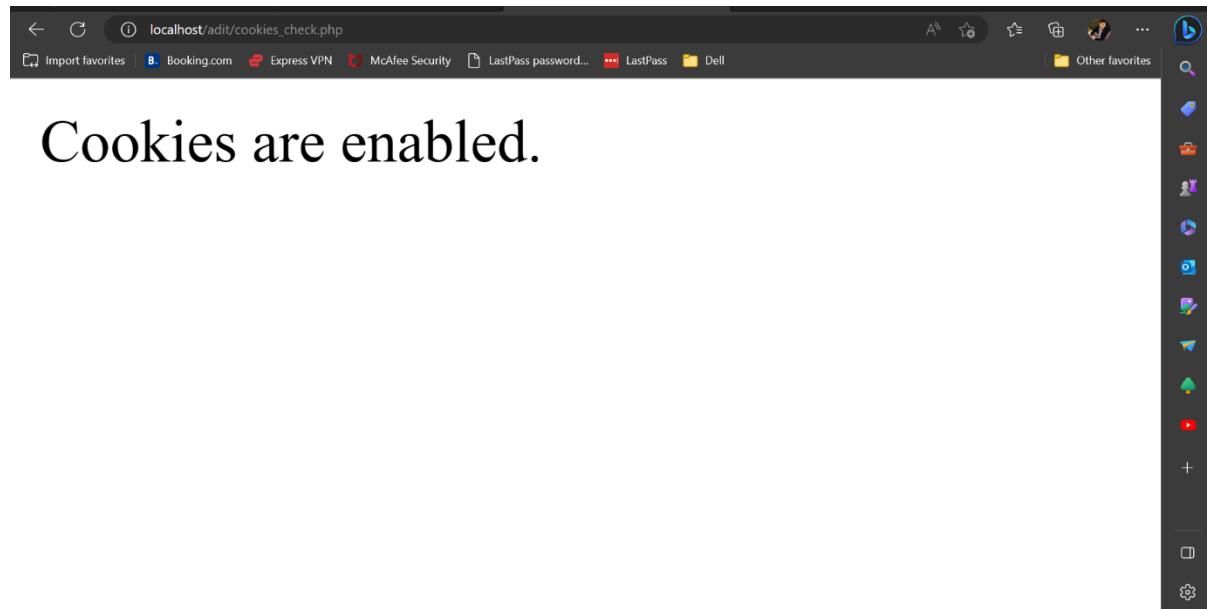
Ln 19, Col 8 Spaces: 4 UTF-8 CRLF PHP Port: 5500

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



³¹ **Aim:** - Select data with MySQLi (Object-oriented)

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

Code: -

```
<!DOCTYPE html>

<html>

<body>

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "student";

// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection

if ($conn->connect_error) {

die("Connection failed: " . $conn->connect_error);

}
```

```
$sql = "SELECT id, first_name, last_name, gender, email FROM
registration";

$result = $conn->query($sql);

if ($result->num_rows > 0) {
    // output data of each row

    while($row = $result->fetch_assoc()) {
        echo "<br> id: ". $row["id"]. " - Name: ". $row["first_name"]. " " .
        $row["last_name"] . " - Gender: ". $row["gender"]. " - Email:
        ".$row["email"].

        "<br>";
    }
} else {
    echo "0 results";
}

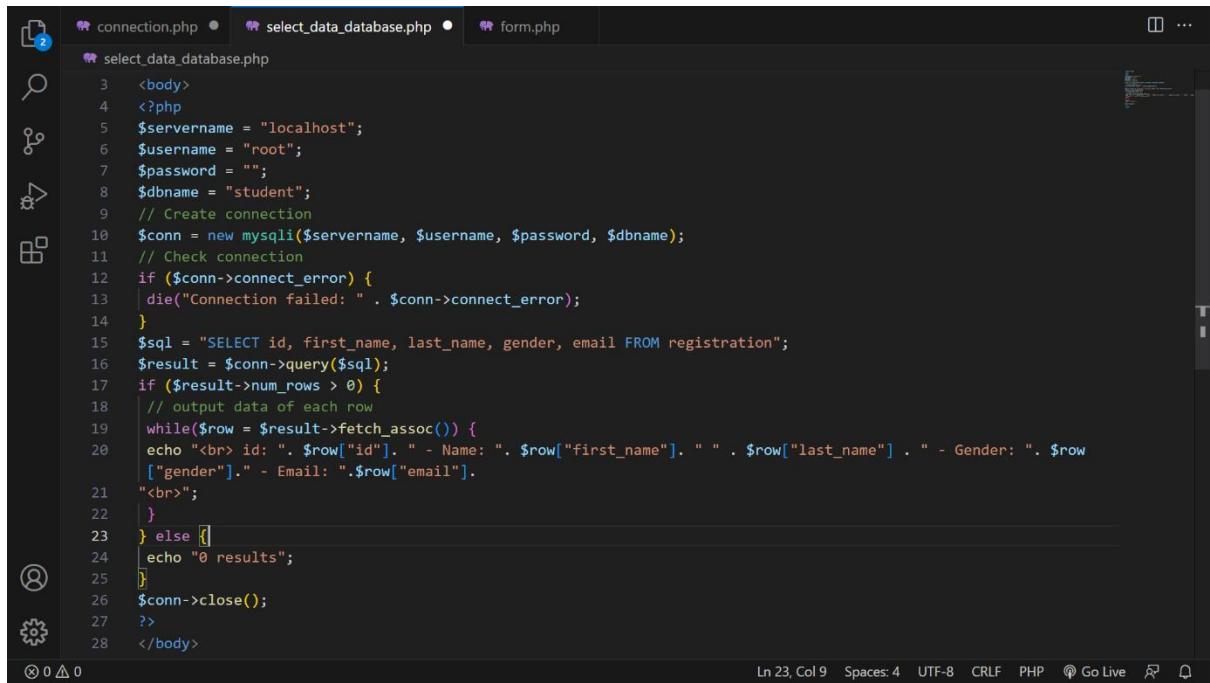
$conn->close();

?>

</body>

</html>
```

Screenshot of code



```
connection.php • select_data_database.php • form.php
select_data_database.php
3  <body>
4  <?php
5  $servername = "localhost";
6  $username = "root";
7  $password = "";
8  $dbname = "student";
9  // Create connection
10 $conn = new mysqli($servername, $username, $password, $dbname);
11 // Check connection
12 if ($conn->connect_error) {
13 die("Connection failed: " . $conn->connect_error);
14 }
15 $sql = "SELECT id, first_name, last_name, gender, email FROM registration";
16 $result = $conn->query($sql);
17 if ($result->num_rows > 0) {
18 // output data of each row
19 while($row = $result->fetch_assoc()) {
20 echo "<br> id: " . $row["id"] . " - Name: " . $row["first_name"] . " " . $row["last_name"] . " - Gender: " . $row["gender"] . " - Email: " . $row["email"];
21 "<br>";
22 }
23 } else {
24 echo "0 results";
25 }
26 $conn->close();
27 ?>
28 </body>
Ln 23, Col 9  Spaces: 4  UTF-8  CRLF  PHP  Go Live  ▾  ▾
```

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



id: 1 - Name: Rakesh Kumar - Gender: male - Email: rakesh7091mandal@gmail.com

id: 2 - Name: Dharam Baghel - Gender: male - Email: dharam@gmail.com

id: 3 - Name: Priyanka Gupta - Gender: female - Email: priya@gmail.com

id: 4 - Name: Amit Kumar - Gender: male - Email: amit@gmail.com

32

Aim: - Select data with MySQLi (Object-oriented) and put result in an HTML table.

Learning outcome: -Able to design and develop dynamic websites with PHP.

Requirement of Hardware & Software: -

- 1 Working PC.
- 2 Windows Operating System.
- 3 Xampp server and also PHP.
- 4 Visual Studio Code editor and any browser.

Procedure: -

Open your Xampp server and Start Apache and MySQL.

Then after open visual studio code editor.

Then after write PHP code.

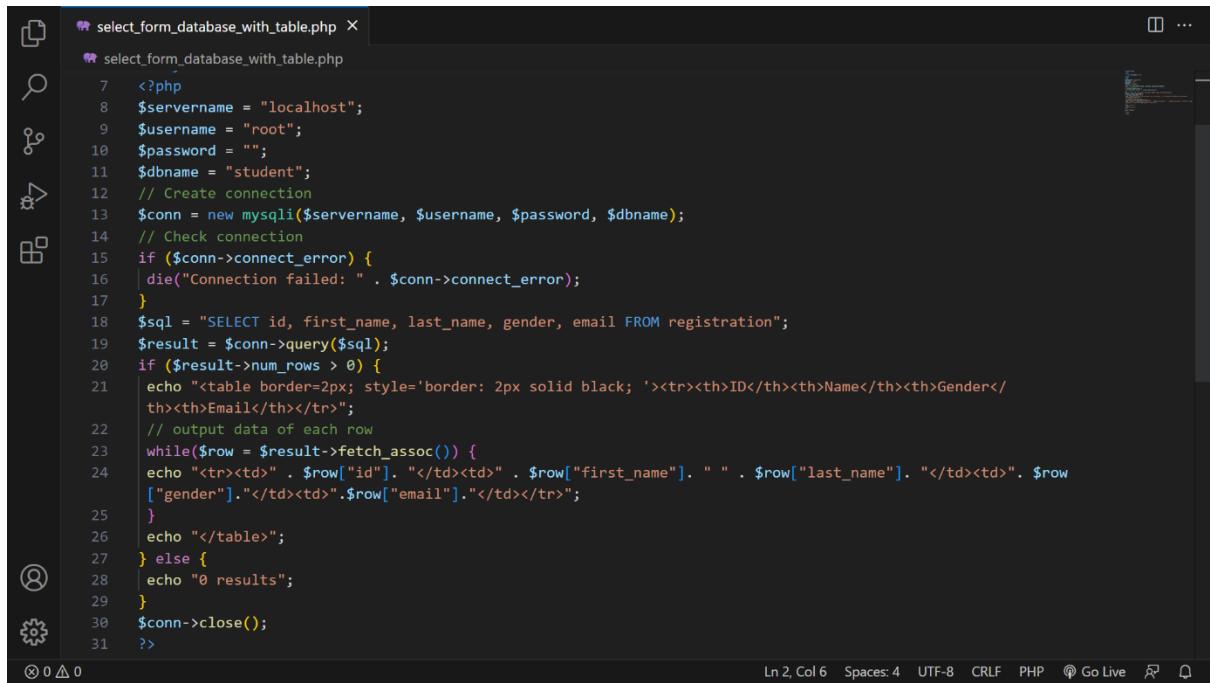
Code: -

```
<!DOCTYPE html>

<html>
<head>
<title>Document</title>
</head>
<body>
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "student";
// Create connection
$conn = new mysqli($servername, $username, $password,
$dbname);
// Check connection
if ($conn->connect_error) {
die("Connection failed: " . $conn->connect_error);
}
$sql = "SELECT id, first_name, last_name, gender, email FROM
registration";
$result = $conn->query($sql);
```

```
if ($result->num_rows > 0) {  
    echo "<table border=2px; style='border: 2px solid black;  
'><tr><th>ID</th><th>Name</th><th>Gender</th><th>Email</th></tr>";  
    // output data of each row  
    while($row = $result->fetch_assoc()) {  
        echo "<tr><td>" . $row["id"] . "</td><td>" . $row["first_name"] . " " .  
        $row["last_name"] . "</td><td>".  
        $row["gender"]."</td><td>".$row["email"]."</td></tr>";  
    }  
    echo "</table>";  
}  
} else {  
    echo "0 results";  
}  
$conn->close();  
?  
</body>  
</html>
```

Screenshot of code



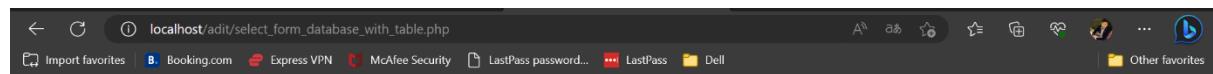
```
 7  <?php
 8  $servername = "localhost";
 9  $username = "root";
10 $password = "";
11 $dbname = "student";
12 // Create connection
13 $conn = new mysqli($servername, $username, $password, $dbname);
14 // Check connection
15 if ($conn->connect_error) {
16 die("Connection failed: " . $conn->connect_error);
17 }
18 $sql = "SELECT id, first_name, last_name, gender, email FROM registration";
19 $result = $conn->query($sql);
20 if ($result->num_rows > 0) {
21 echo "<table border=2px; style='border: 2px solid black; '><tr><th>ID</th><th>Name</th><th>Gender</th><th>Email</th></tr>";
22 // output data of each row
23 while($row = $result->fetch_assoc()) {
24 echo "<tr><td>" . $row["id"] . "</td><td>" . $row["first_name"] . " " . $row["last_name"] . "</td><td>" . $row["gender"] . "</td><td>" . $row["email"] . "</td></tr>";
25 }
26 echo "</table>";
27 } else {
28 echo "0 results";
29 }
30 $conn->close();
31 ?>
```

Then after executed code: -

After go to browser and search: -

localhost/adit(folder_name)filename.

Output: -



ID	Name	Gender	Email
1	Rakesh Kumar	male	rakesh7091mandal@gmail.com
2	Dharam Baghel	male	dharam@gmail.com
3	Priyanka Gupta	female	priya@gmail.com
4	Amit Kumar	male	amit@gmail.com