PRACTICAL FILE OF

PHP

B.Sc. PHYSICAL SCIENCES WITH COMPUTER SCIENCE

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Semester: 6th

Ques1: Create a PHP page using functions for comparing three integers and print the largest number.

Ans:

```
<!DOCTYPE html>
<html>
      <head>
      <title>Question-1</title>
      </head>
      <body>
      <h1> Largest of the 3 numbers</h1>
      <form method="post" action="1.php">
            Number 1 :
            <input type="text" name="n1" value="<?php echo $n1; ?>">
            Number 2 :
            <input type="text" name="n2" value="<?php echo $n2; ?>">
            Number 3 :
            <input type="text" name="n3" value="<?php echo $n3; ?>">
            <input type="submit" value="GREATEST"><br><br>
      </form>

      </body>
</html>
<?php
$n1=$_POST['n1'];
$n2=$_POST['n2'];
$n3=$_POST['n3'];




function gr($n1,$n2,$n3)
{
      if($n1>$n2 && $n1>$n3)
      return $n1;
      else
      if($n2>$n1 && $n2>$n3)
      return $n2;
      else
      return $n3;
}


echo "Largest Number out of 3 is: " .gr($n1,$n2,$n3);
?>
```
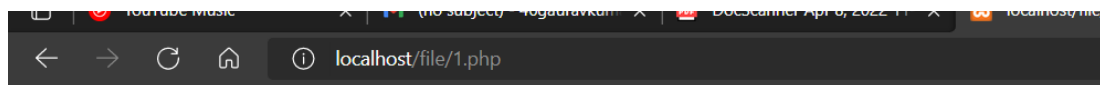
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localhost/file/1.html

Largest of the 3 numbers

Number 1 : 23   Number 2 : 12   Number 3 : 03   GREATEST

localhost/file/1.php

Largest Number out of 3 is: 23

Ques2: Write a function to calculate the factorial of a number (non-negative integer). The function accepts the number as an argument.

Ans:

```
<!DOCTYPE html>
<html>
        <head>
        <title>Question-2</title>
        </head>
        <body>
        <h1>Factorial</h1>
        <form method="post" action="2.php">
                Enter Number:
                <input type="text" name="n" value="<?php echo $n;?>">
                <input type="submit" value="CALCULATE"><br><br>
                Factorial:
        </form>
        </body>
</html>
<?php


$n=$_POST['n'];


function factorial($n)
{
    $fac=1;
    for($i=1;$i<=$n;$i++)
    {
        $fac=$fac*$i;
    }
    return $fac;
}


echo factorial($n);
?>
```
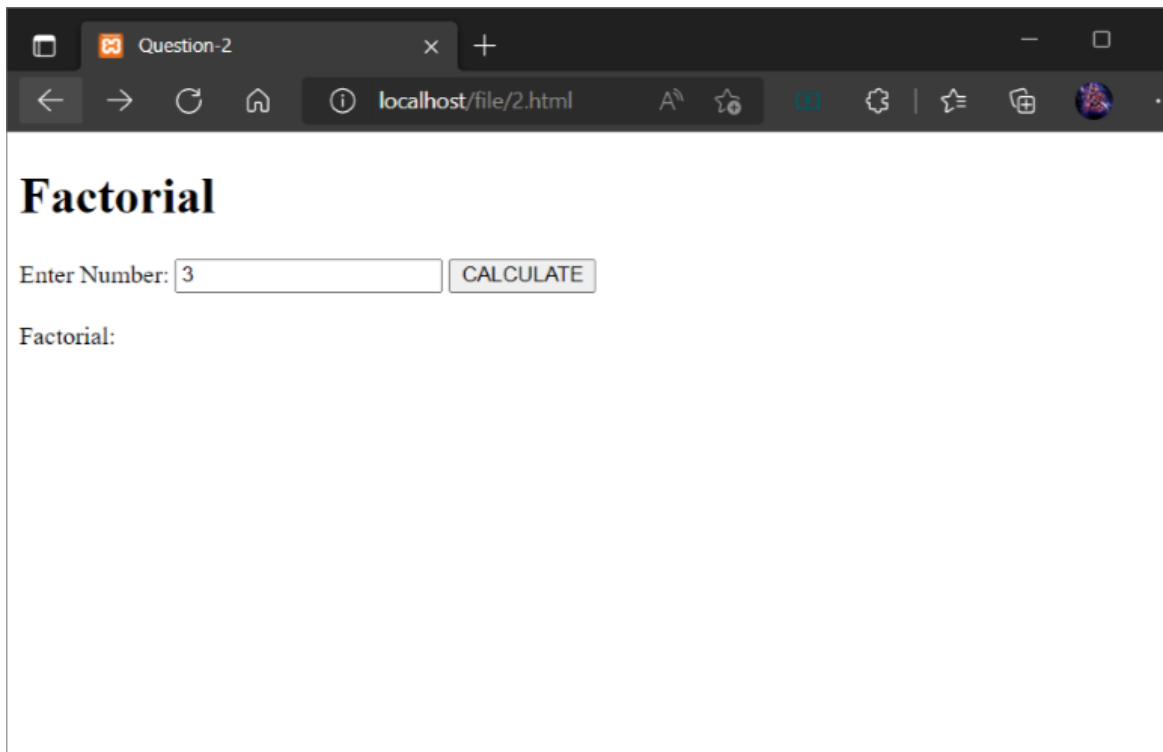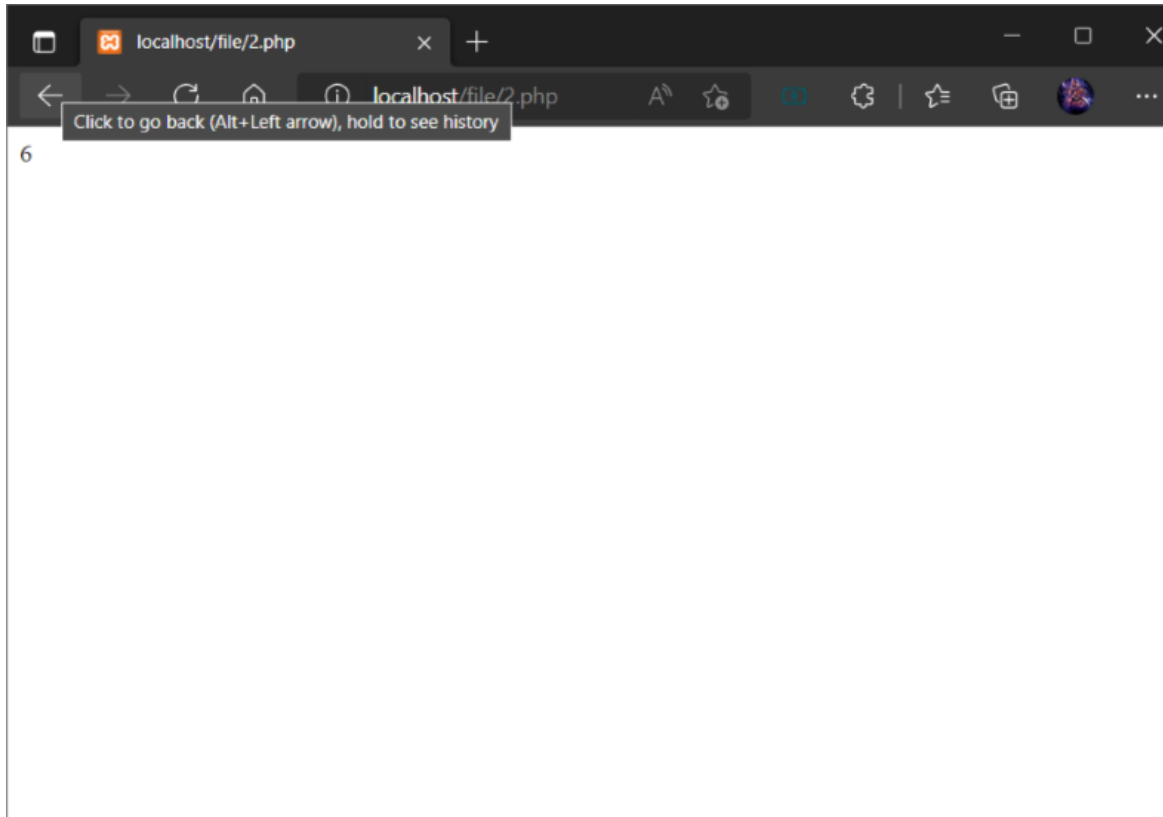
Output:

localhost/file/2.php

localhost/file/2.php

Click to go back (Alt+Left arrow), hold to see history

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Question-2

localhost/file/2.html

Factorial

Enter Number: 3   CALCULATE

Factorial:

Ques3: Write a program to check whether a number is prime or not.

Ans:

```
<!DOCTYPE html>
<html>
      <head>
      <title>Question-3</title>
      </head>
      <body>
      <h1> .........Checking Prime Number........</h1>
      <form method="post" action="3.php">
            Enter Number:
            <input type="number" name="n" value="<?php echo $n;?>"
placeholder=" ">
            <input type="submit" value="CHECK"><br><br>

      </form>
      </body>
</html>
<?php


$n=$_POST['n'];


function prime_check($n)
{
      $count=0;
      for($i=2;$i<$n;$i++)
      {
      if($n%$i==0)
      {
            $count++;
      }
      }
      return $count;
}


$p=prime_check($n);
if($p==0)
{
      echo "Number is Prime";
```
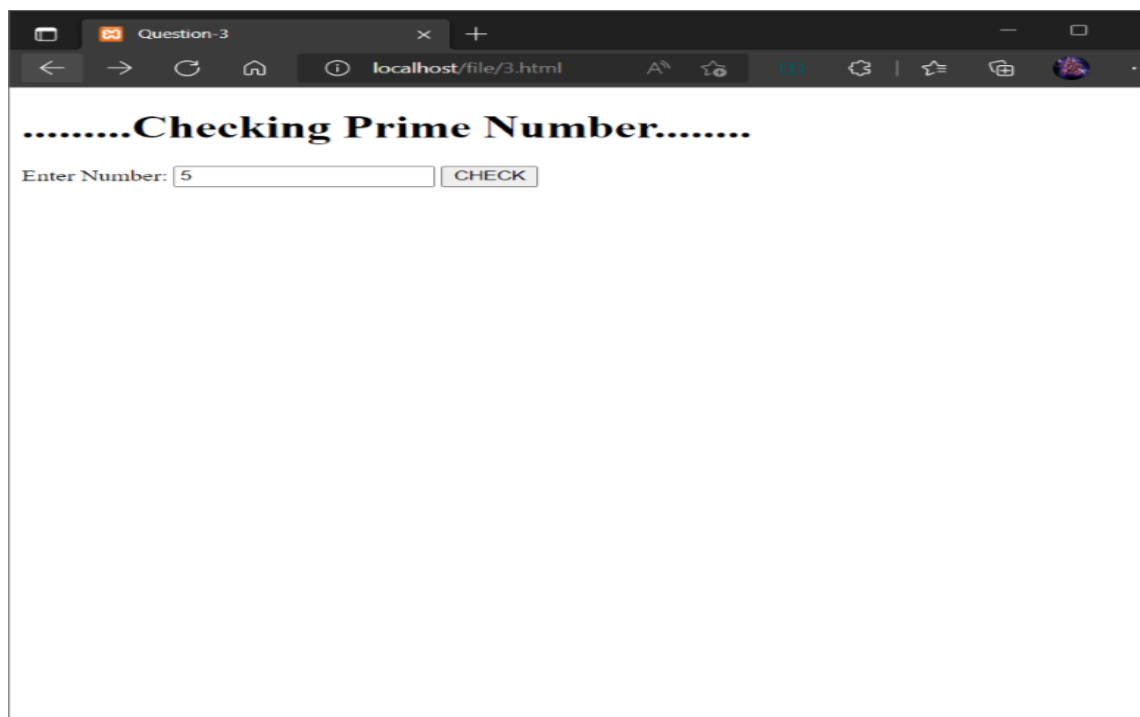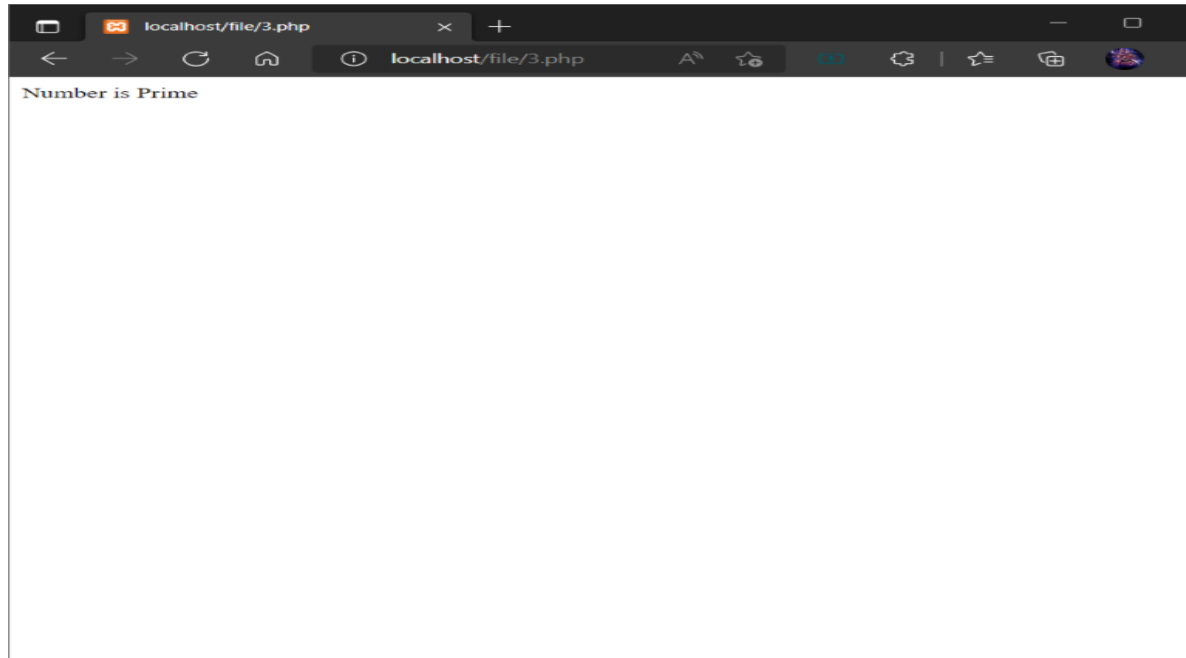
```
}
else
{
      echo "Number is not Prime";
}
?>
```

Output:

Ques4: Create a PHP page which accepts string from user. After submission that page displays the reverse of provided string.

Ans:

```
<!DOCTYPE html>
<html>
      <head>
      <title>Question-4</title>
      </head>
      <body>
      <h1>...........Reversing the String...........</h1>
      <form method="post" action="4.php">
            Enter String:
            <input type="text" name="s" value="<?php echo $s>" placeholder="
">
            <input type="submit" value="REVERSE"><br><br>
      </form>
      </body>
</html>
<?php
$s=$_POST['s'];


function reverse_string($s)
{
      return strrev($s);
}


echo reverse_string($s);
?>
```
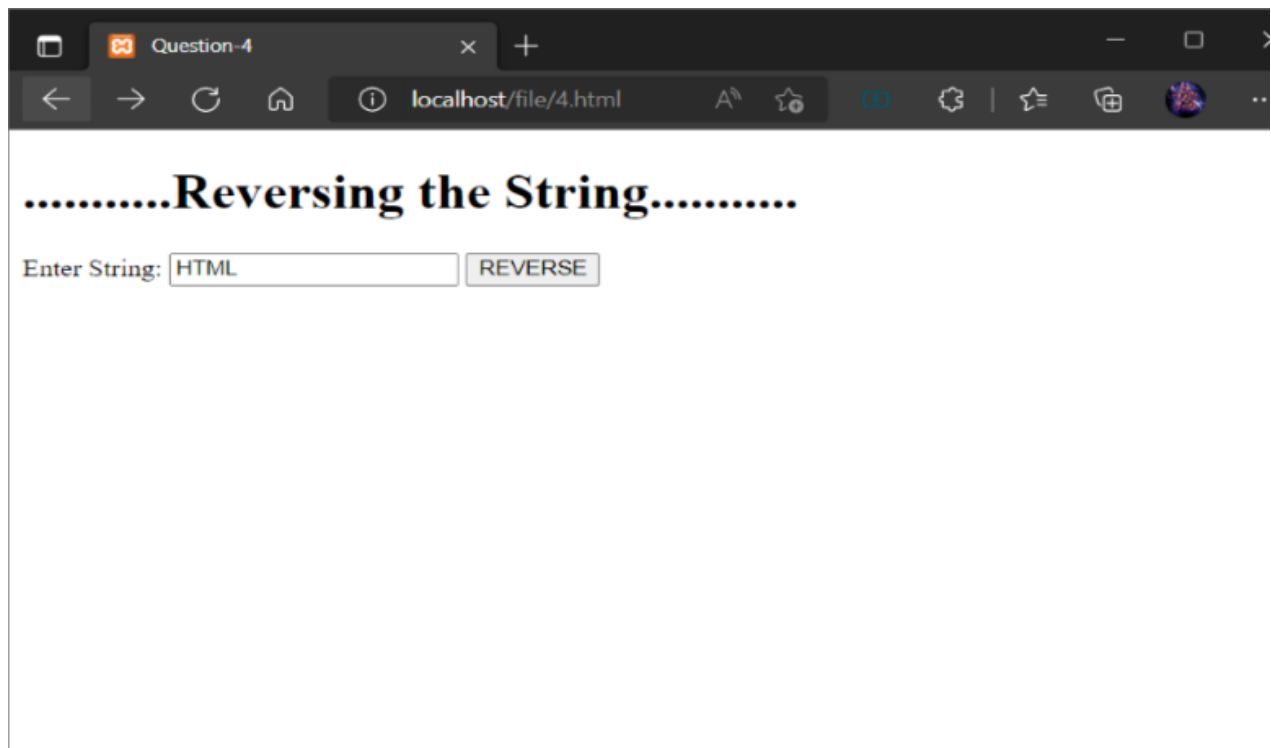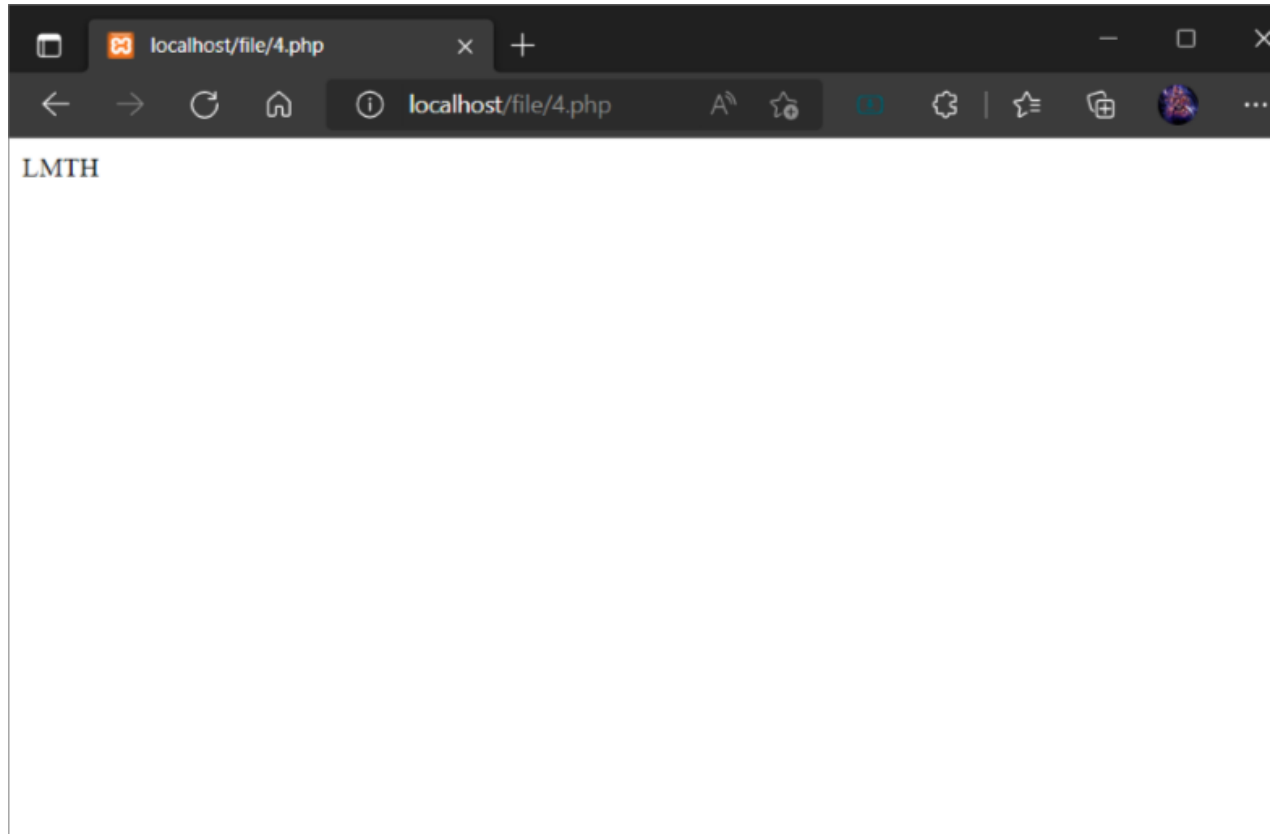
Output:

localhost/file/4.php

localhost/file/4.php

LMTH

Question-4

localhost/file/4.html

..........Reversing the String..........

Enter String: HTML   REVERSE

Ques5: Write a PHP function that checks if a string is all lower case.

Ans:

```
<!DOCTYPE html>
<html>
      <head>
      <title>
            Question-5
      </title>
      </head>
      <body>
      <h1>.........Checking Lower Case...........</h1>
      <form method="post" action="5.php">
            Enter the String:
            <input type="text" name="str" value="<?php echo $str>"
placeholder="Write......">
            <input type="submit" value="CHECK"><br><br>

      </form>
      </body>
</html>
<?php
$str=$_POST['str'];



$str1=strtolower($str);



echo"<br>";



if(strcmp($str,$str1)==0)
{
      echo " $str is in lower case.";
}
else
{
      echo "$str is not in lower case.";
}
?>
```
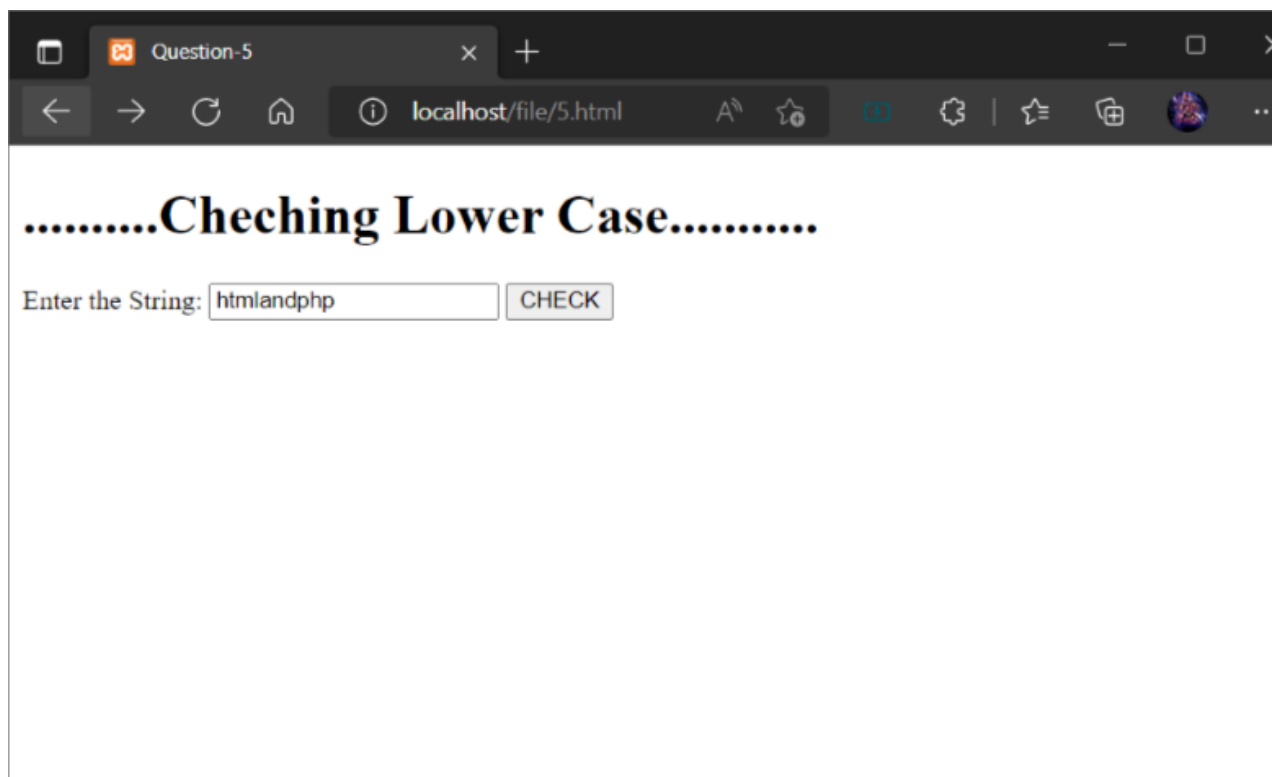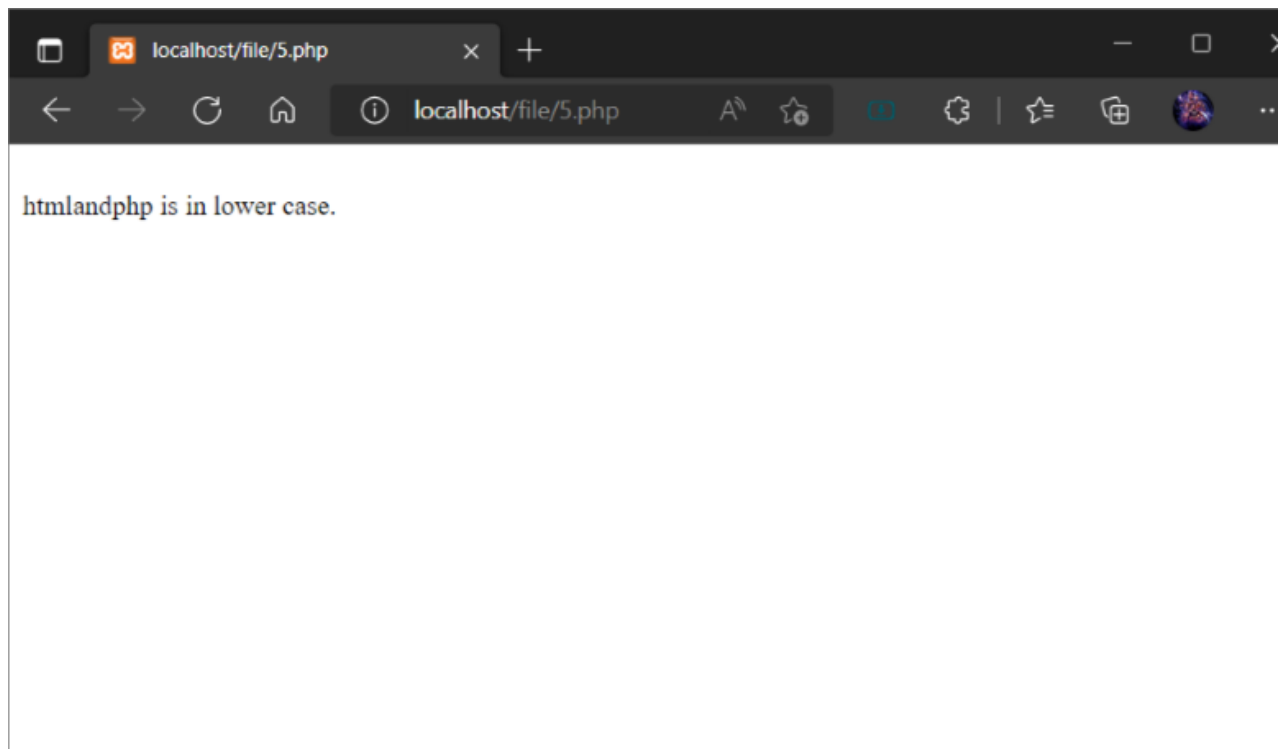
Output:

localhost/file/5.php

localhost/file/5.php

htmlandphp is in lower case.

Question-5

localhost/file/5.html

.........Cheching Lower Case...........

Enter the String: htmlandphp CHECK

Ques6: Write a PHP script that checks whether a passed string is palindrome or not?

Ans:

```
<!DOCTYPE html>
<html>
      <head>
      <title>Question-6</title>
      </head>
      <body>
      <h1>Palindrome Code</h1>
      </body>
      <form method="post" action="6.php">
      Enter the Palindrome String:
      <input type="text" name="str" value="<?php echo $str?>" placeholder=" ">
      <input type="submit" value="CHECK"><br><br>
      </form>
</html>
<?php
$str=$_POST['str'];


function Palindrome_check($str)
{
      $str1=strrev($str);
      if(strcmp($str,$str1)==0)
      {
      return "$str is a Palindrom String.";
      }
      else
      {
      "$str is not Palindrome String.";



      }

}



$p=Palindrome_check($str);


echo $p;
?>
```
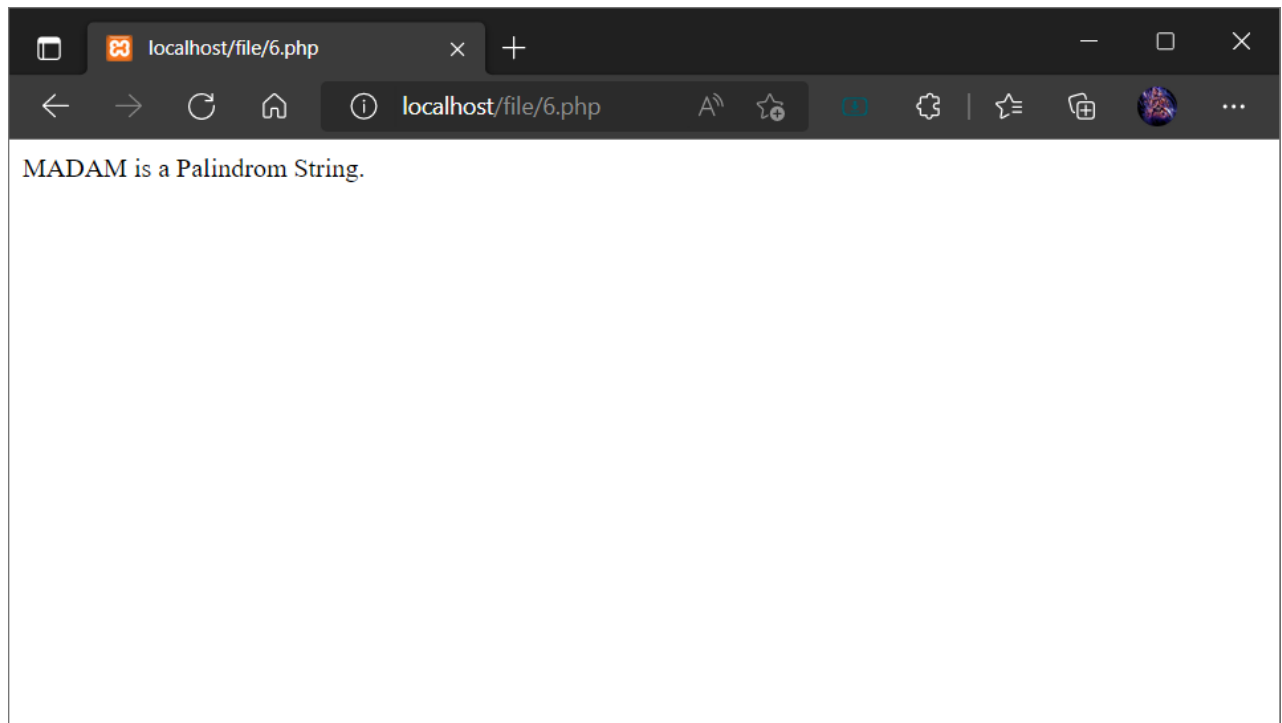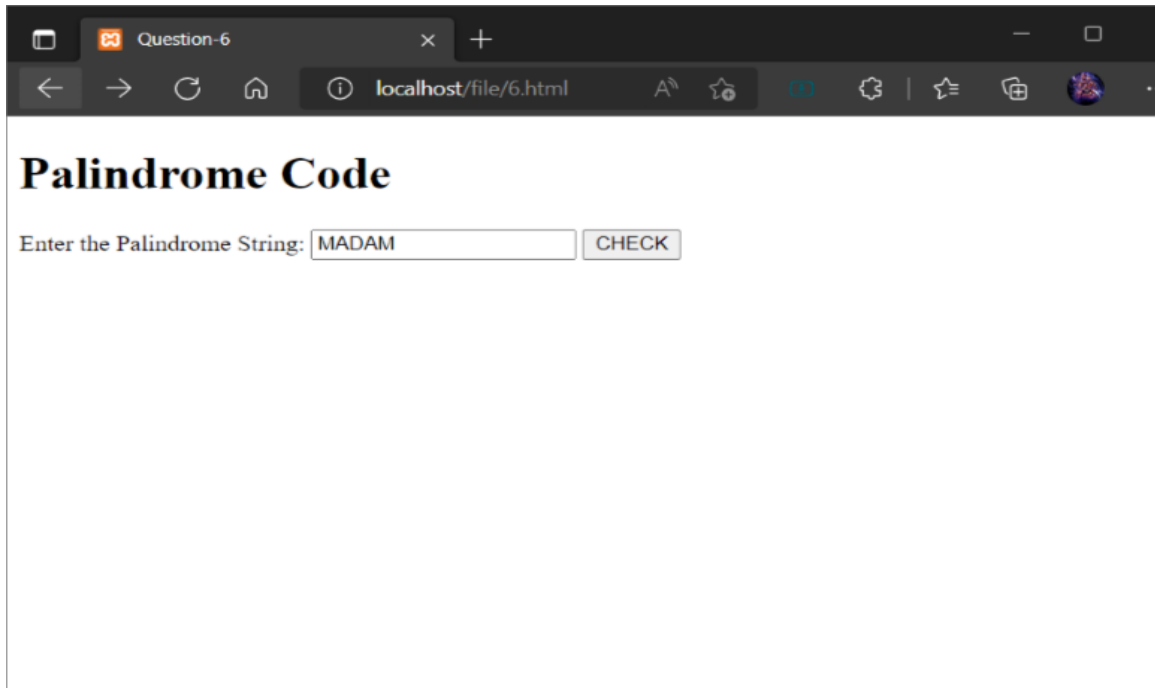
Ques7: Write a PHP script that removes the whitespaces from a string.

Ans:

```
<!DOCTYPE html>
<html>
      <head>
      <title>Question-8</title>
      </head>
      <body>
      <h1>Remove Spaces</h1>
      <form method="post" action="8.php">
            Enter the string:
            <input type="text" name="str" value="<?php echo $str;?>"
placeholder=" ">
            <input type="submit" value="REMOVE SPACES"><br><br>
      </form>
      </body>
</html>
<?php
$str=$_POST['str'];


echo "Before: ",$str;
echo "<br><br>";


echo "After: ";
$arr=explode(" ",$str);
echo implode("",$arr);


echo "<br>";


?>
```
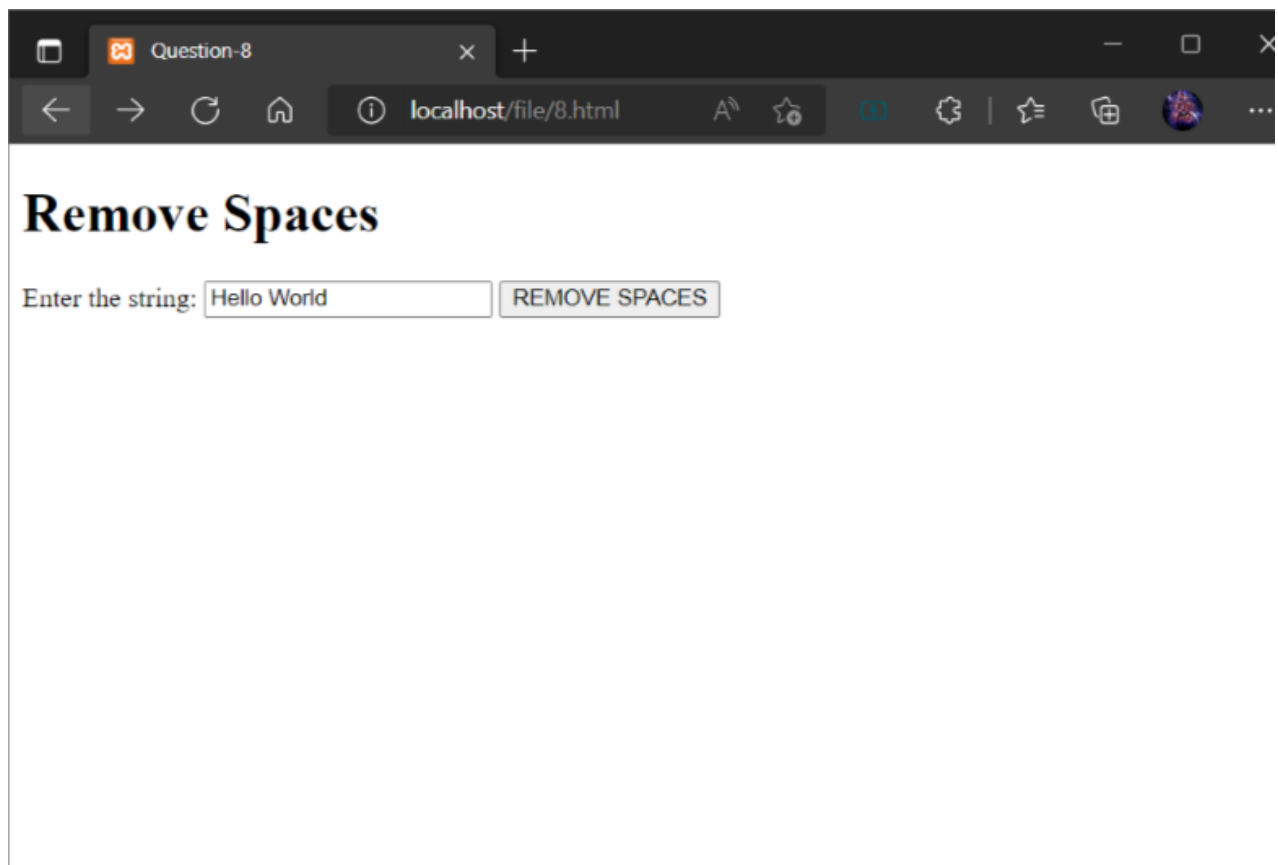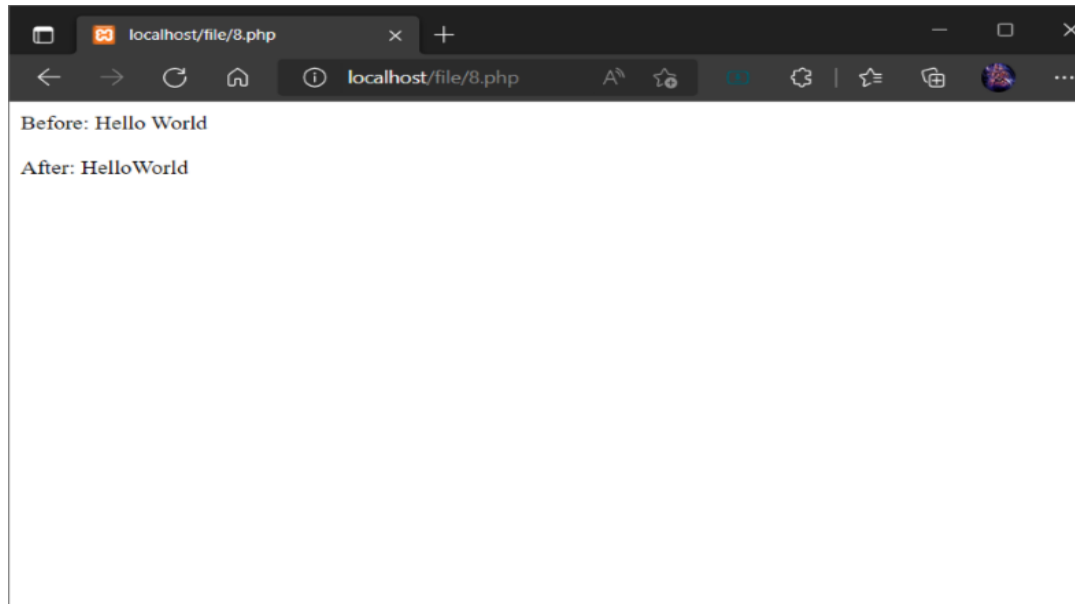
Output:

Before: Hello World

After: HelloWorld

Remove Spaces

Enter the string: [Hello World] [REMOVE SPACES]

Ques8: Write a PHP script that checks if a string contains another string.

Ans:

```
<!DOCTYPE html>
<html>
      <head>
      <title>Question-9</title>
      </head>
      <body>
      <h1>........Sum of First Odd Numbers.........</h1>
      <form method="post" action="9.php">
            Enter Number:
            <input type="number" name="n" value="<?php echo $n; ?>"
placeholder="  ">
            <input type="submit" value="SUM"><br><br>
      </form>
      </body>
</html>
<?php
$n=$_POST['n'];


$sum=0;
$j=1;


for($i=1;$i<=$n;$i++)
{
      $sum=$sum+$j;
      $j+=2;
}


echo "Sum of first" .$n. "odd numbers: " .$sum;
?>
```
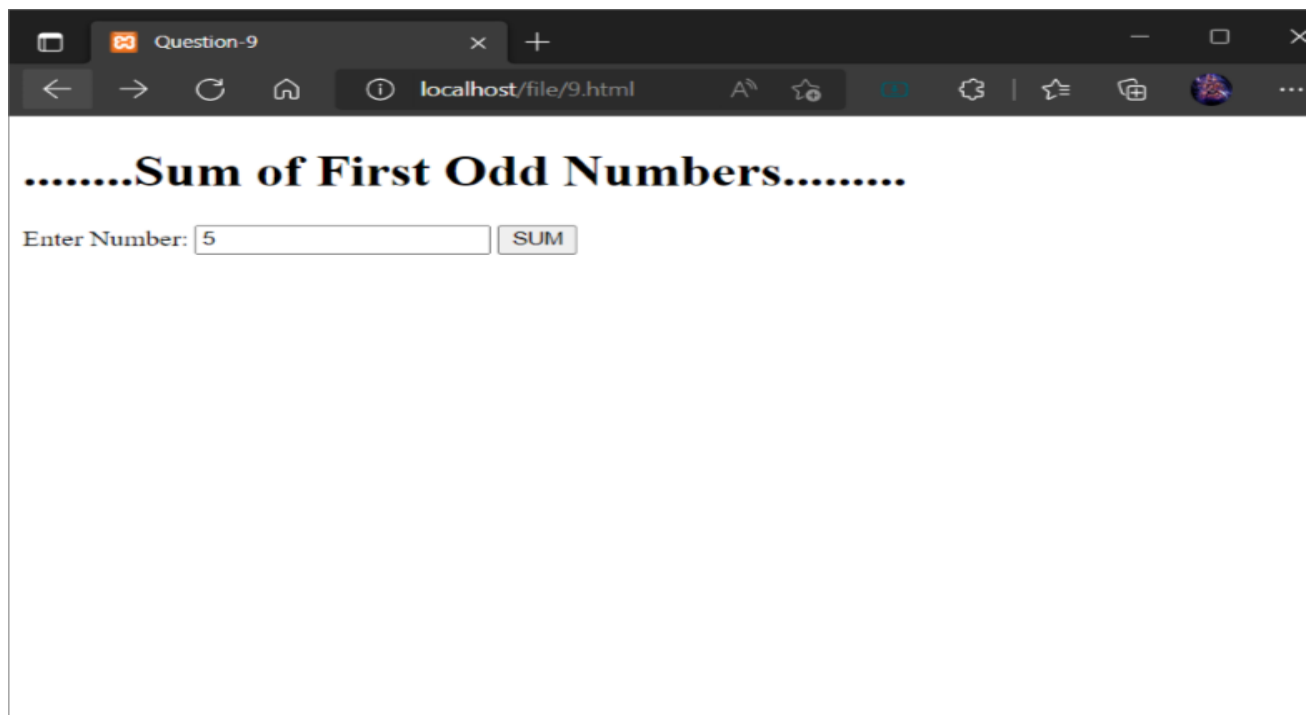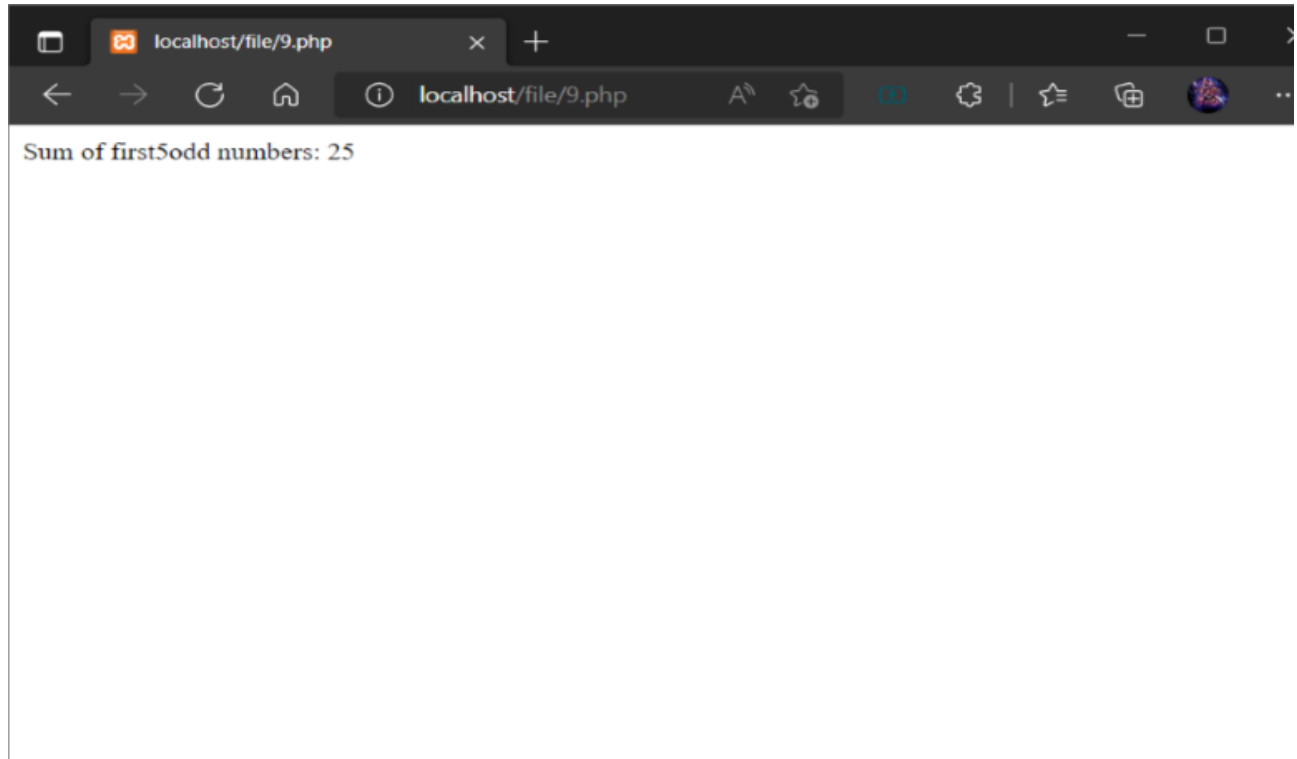
Output:

localhost/file/9.php

localhost/file/9.php

Sum of first5odd numbers: 25

Question-9

localhost/file/9.html

........Sum of First Odd Numbers.........

Enter Number: 5   SUM

Ques9: Write a PHP script that checks if a string contains another string.

Ans:

```
<!DOCTYPE html>
<html>
      <head>
      <title>Question-11</title>
      </head>
      <body>
      <h1>........SUBSTRING.........</h1>
      <form method="post" action="11.php">
            Enter String 1:
            <input type="text" name="str1">
            Enter String 2:
            <input type="text" name="str2">


            <input type="submit" value="CHECK"><br><br>
      </form>
      </body>
</html>
<?php
$str1=$_POST['str1'];
$str2=$_POST['str2'];



$b=preg_match("/$str2/i",$str1);



if($b)
{
      echo "'$str1' contains substring '$str2'";
}



else
{
      echo "'$str1' does not contain substring '$str2'";
}
?>
```
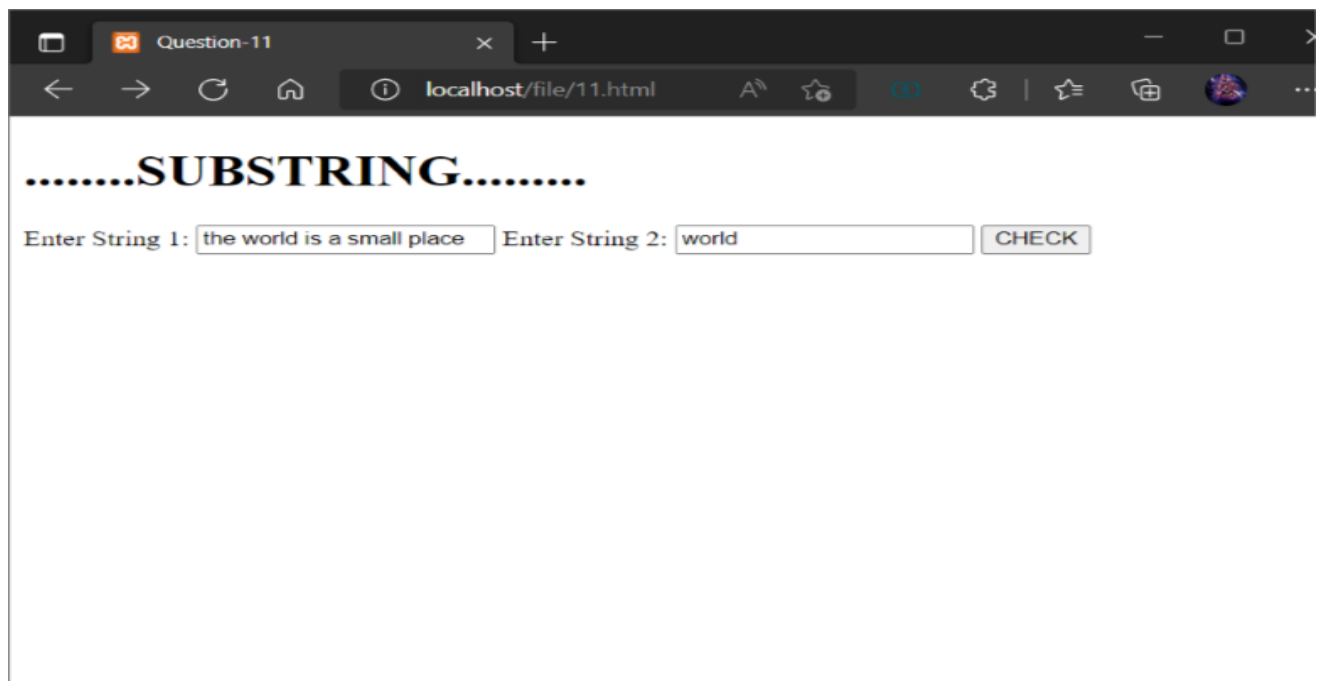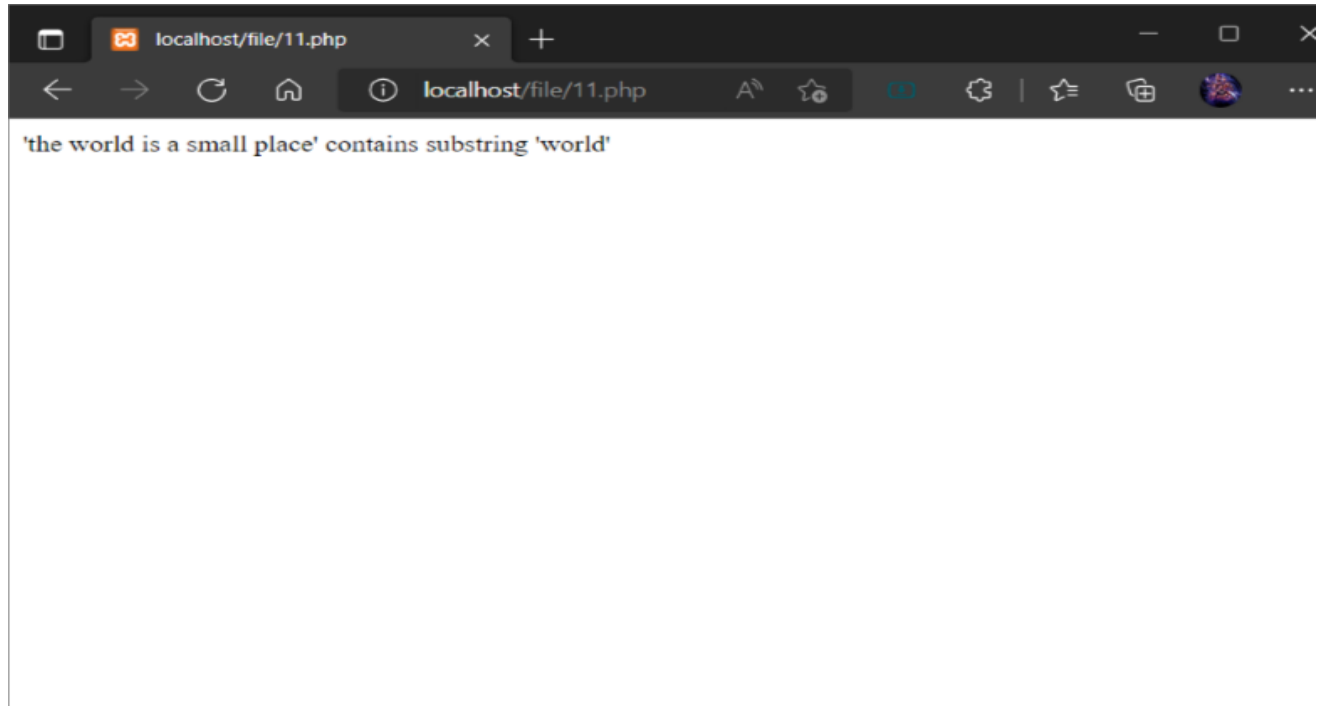
Output:

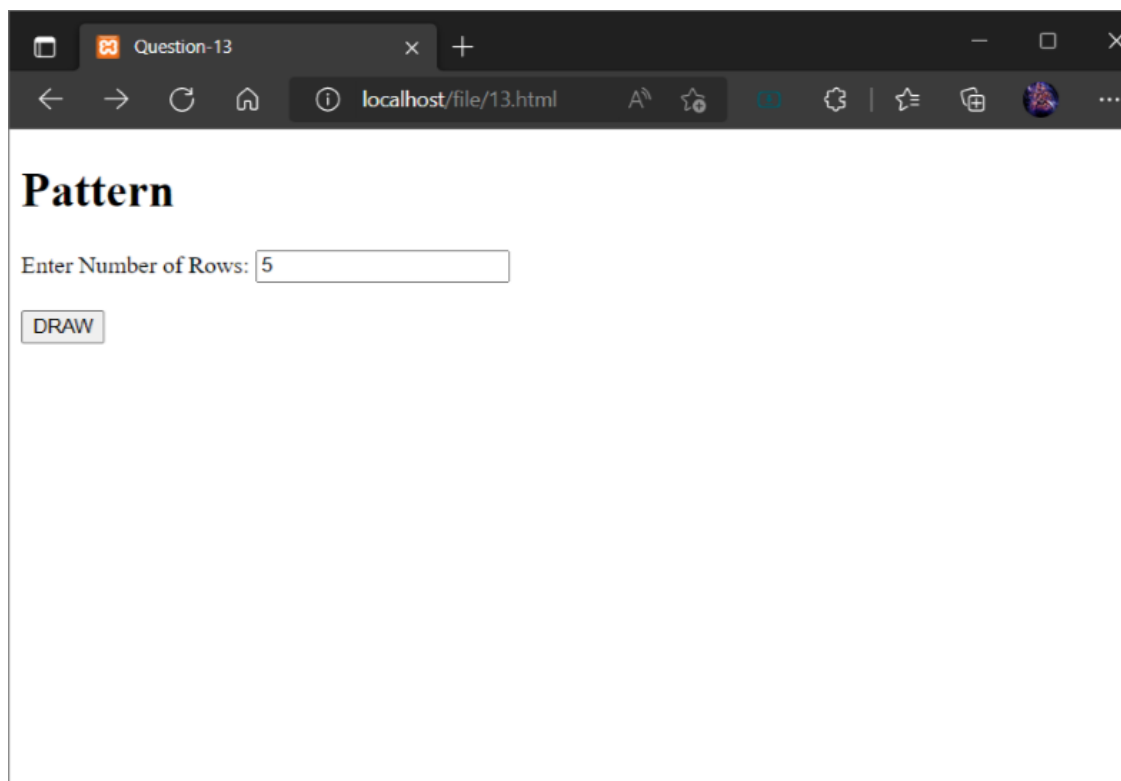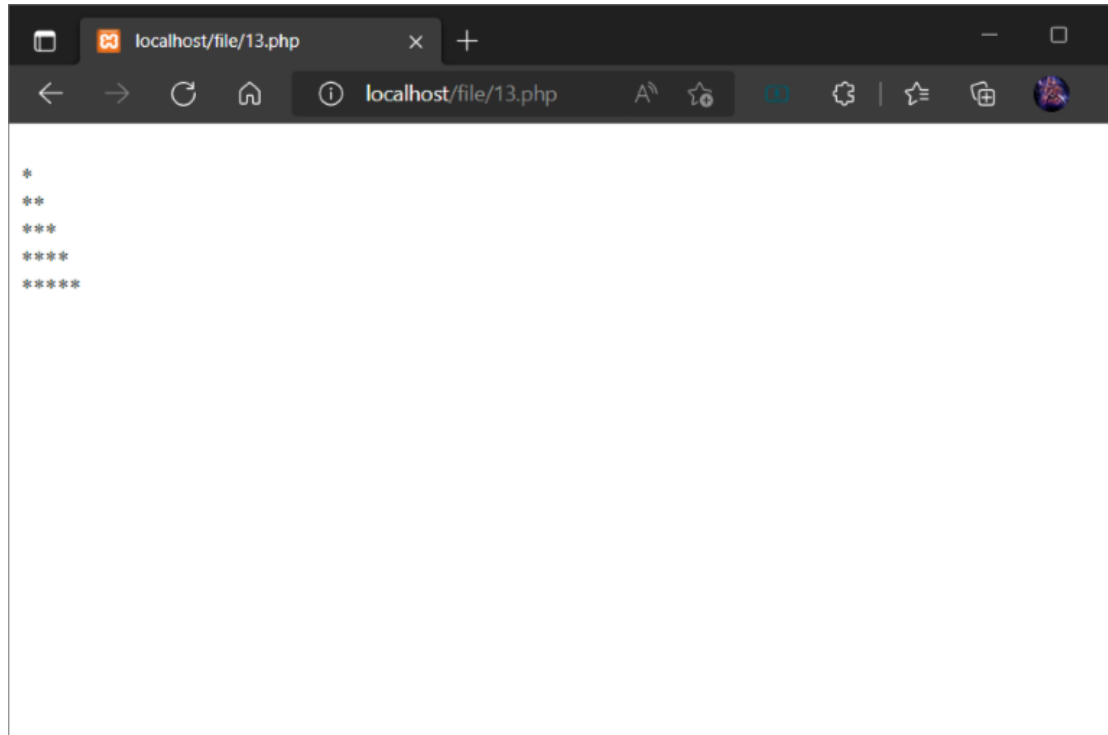localhost/file/11.php

localhost/file/11.php

'the world is a small place' contains substring 'world'

Question-11

localhost/file/11.html

........SUBSTRING.........

Enter String 1: `the world is a small place` Enter String 2: `world` [CHECK]

Ques10: Create a script to construct the following pattern using nested for loop.

*

* *

* * *

* * * *

* * * * *

Ans:

```
<!DOCTYPE html>
<html>
     <head>
     <title>Question-13</title>
     </head>
     <body>
     <h1>Pattern</h1>
     <form method="post" action="13.php">
          Enter Number of Rows:
          <input type="number" name="n" value="<?php echo $n; ?>">
          <br><br>
          <input type="submit" value="DRAW"><br><br>
     </form>
     </body>
</html>
<?php


$n=$_POST['n'];


for($i=1;$i<=$n;$i++)
{
     echo "<br>";
     for($j=1;$j<=$i;$j++)
     {
     echo "*";
     }
}
?>
```
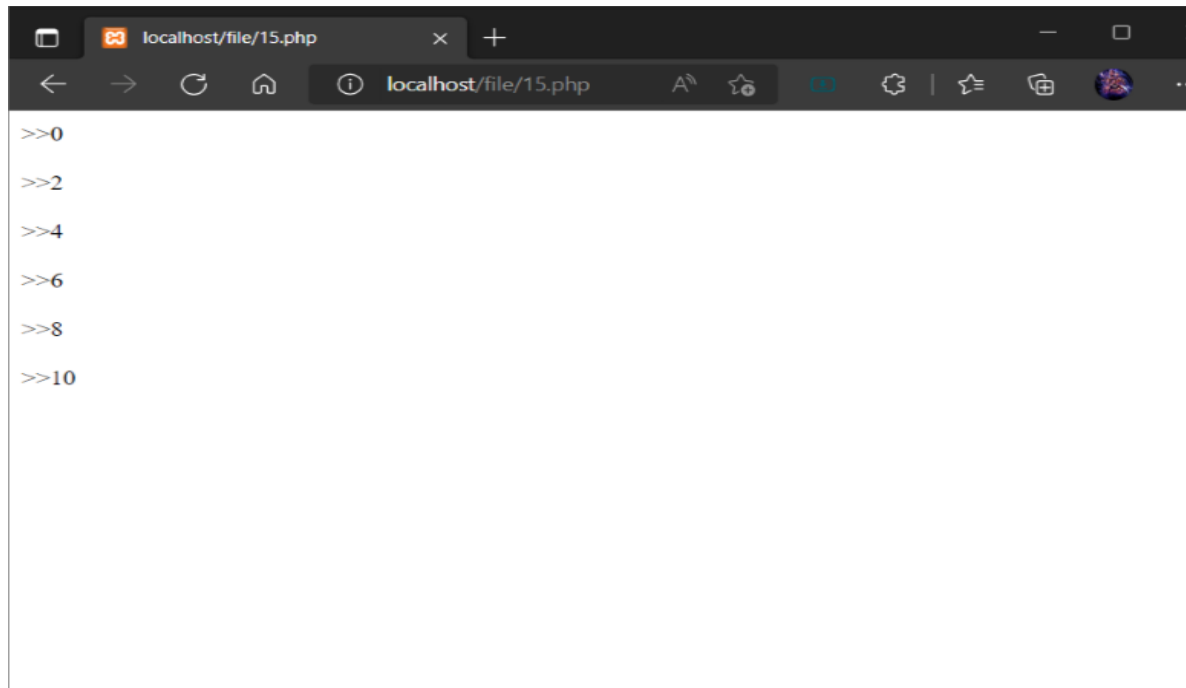
Output:

localhost/file/13.php

localhost/file/13.php

```
*
**
***
****
*****
```

Question-13

localhost/file/13.html

Pattern

Enter Number of Rows: 5

DRAW

Ques11: Write a Program to print first n even Numbers.

Ans:

```
<!DOCTYPE html>
<html>
      <head>
      <title>Question-15</title>
      </head>
      <body>
      <h1>.........First n Even Numbers........</h1>
      <form method="post" action="15.php">
            Enter How many even numbers do you want to display:
            <input type="number" name="n" value="<?php echo $n;?>">
            <input type="submit" value="DISPLAY">
            <br><br>
      </form>
      </body>
</html>
<?php
$n=$_POST['n'];


for($i=0;$i<=$n;$i++)
{
      if($i%2==0)
      {echo ">>" ,$i;}
      echo "<br>";
}
?>
```
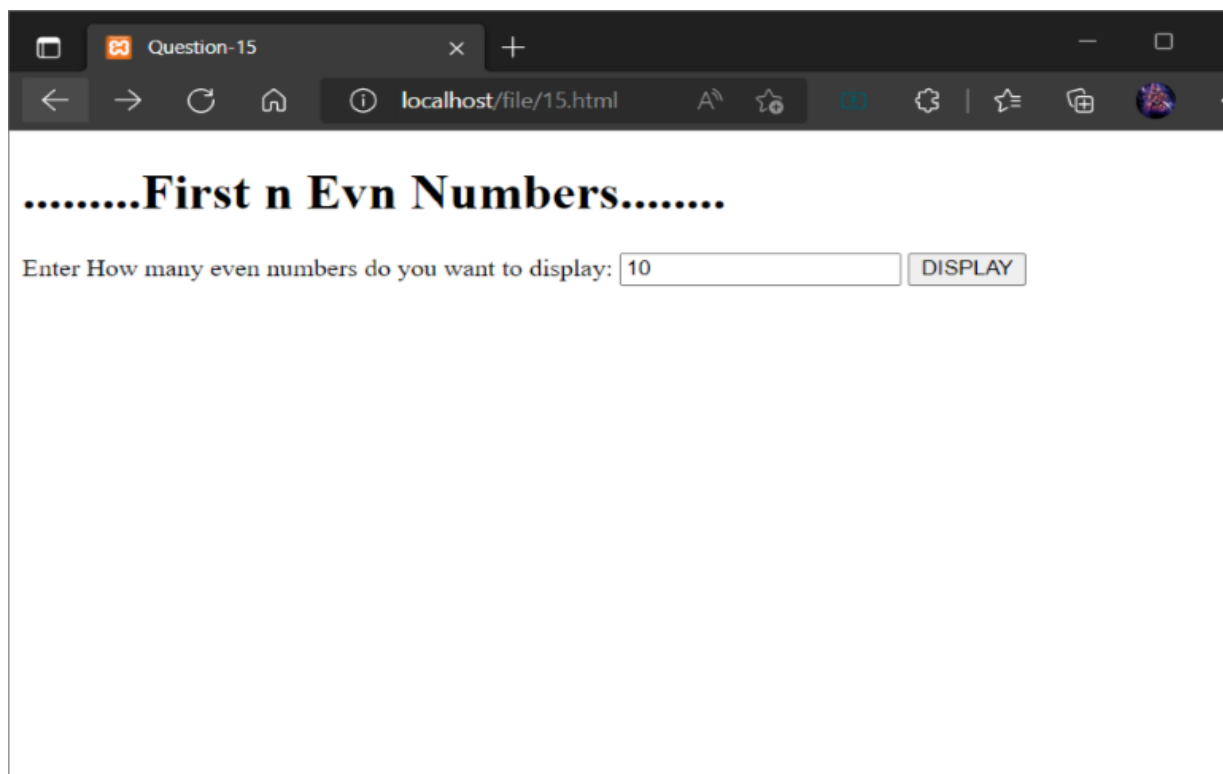
Output:

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>>0

>>2

>>4

>>6

>>8

>>10

.........First n Evn Numbers........

Enter How many even numbers do you want to display: `10` DISPLAY

Ques12: Write a PHP program to print Fibonacci series using recursion.
Ans:

```
<!DOCTYPE html>
<html>
      <head>
      <title>Question-18</title>
      </head>
      <body>
      <h1>FIBONACCI SERIES</h1>
      <form method="post" action="18.php">
            Enter Number of Terms:
            <input type="number" name="n" value="<?php echo $n;?>">
            <br><br>
            <input type="submit" value="SERIES"><br><br>
      </form>
      </body>
</html>
<?php


$n=$_POST['n'];


function fibonacci($n)
{
      if($n==1)
      {
      return 1;
      }
      if($n==2)
      {
      return 1;
      }
      return fibonacci($n-2)+fibonacci($n-1);
}


for($i=1;$i<=$n;$i++)
{
      echo fibonacci($i). " ";
}
?>
```
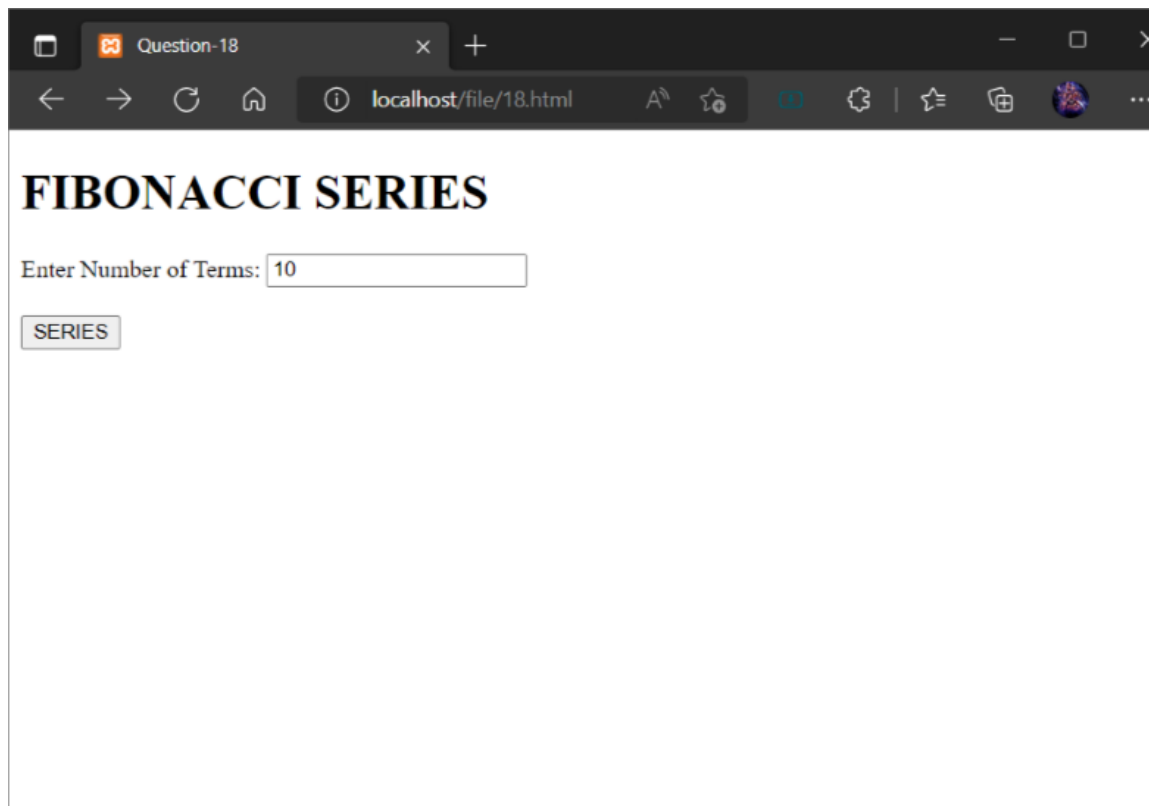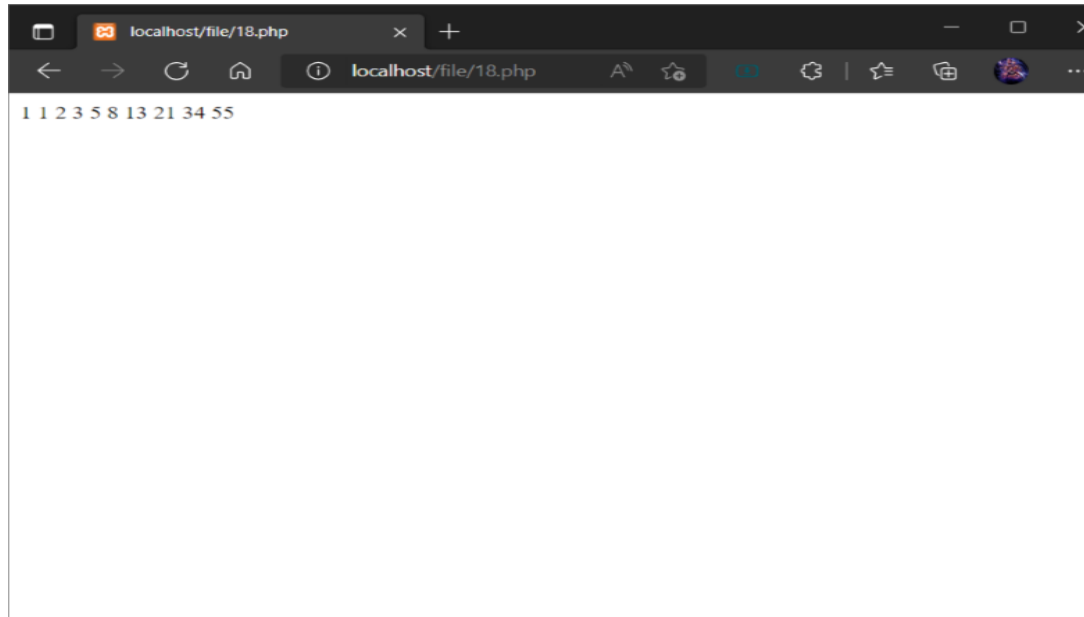
Output:

localhost/file/18.php

localhost/file/18.php

1 1 2 3 5 8 13 21 34 55

Question-18

localhost/file/18.html

FIBONACCI SERIES

Enter Number of Terms: 10

SERIES

Ques13: Write a PHP script to replace the first 'the' of the following string with 'That'.

Ans:

```
<!DOCTYPE html>
<html>
      <head>
      <title>Question-19</title>
      </head>
      <body>
      <h1>REPLACE</h1>
      <form method="post" action="19.php">
            Enter String: <br>
            <input type="text" name="str">
            <input type="submit" value="REPLACE"><br><br>

      </form>
      </body>
</html>
<?php


$str=$_POST['str'];
$str1=str_replace("The","That",$str,$i);



echo "<br>";
echo "$str1";
echo "<br>";
echo "$i replacements.";
echo "<br><br>";



$str1=str_ireplace("The","That",$str,$i);



echo "$str1";
echo "<br>";
echo "$i replacements.";
echo "<br><br>";



?>
```

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Output: