

EX.NO : 01	<u>PRIME NUMBER OR NOT</u>
DATE :	

AIM:

To write a php program to check the given number is prime number or not.

ALGORITHM:

Step 1: Start the process

Step 2: Write the html5 program and create a form using text area and button control it performs the form action.

Step 3: When we click our button control it performs the form action.

Step 4: Write a php code and create a primenumber.php file

Step 5: Check if the given number is prime or not.

```
$flag=1;
for($i=2;$i<=$v;$i++)
{
    if($v%$i==0){
        $flag = 0;
        break;
    }
}
```

Step 6: Save this program in the name of primenumber.php and run using any web browser.

Step 7: Stop the process.

form.html

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Prime Number</title>

  <style>

    .Heading{

      display: flex;

      flex-direction: column;

      align-items: center;

      margin-top: 200PX;

    }

    button{

      align-items: center;

      justify-content: center;

      margin-left: 120px;

      margin-top: 20px;

    }

  </style>

</head>

<body>

  <div class="Heading">

    <h1>Prime Number</h1>

    <form action="primeNumber.php" method="post">

      <label for="number">Enter the Number : </lable>

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

      <br>

      <button onClick="primeNumber.php">Click Me</button>

    </form>

  </div>
```

</body>

</html>

primeNumber.php

<?php

\$v=\$_POST["number"];

\$flag=1;

for(\$i=2;\$i<\$v;\$i++)

{

if(\$v%\$i==0){

 \$flag = 0;

 break;

}

}

if(\$flag == 1)

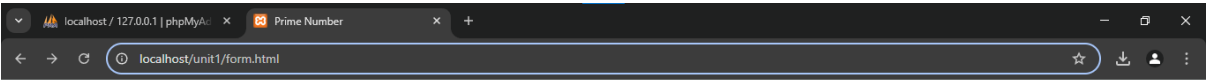
 echo \$v." is Prime Numbers ";

else

 echo \$v." is Not Prime Numbers ";

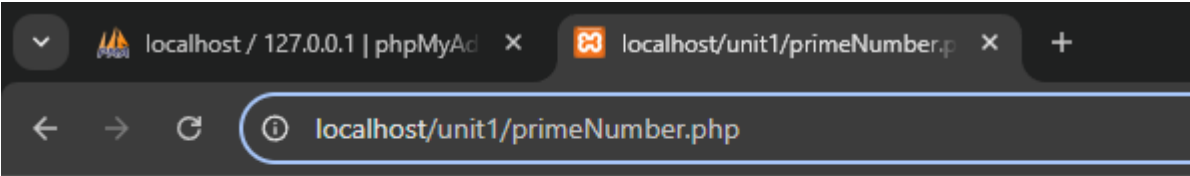
?>

Output:



Prime Number

Enter the Number :

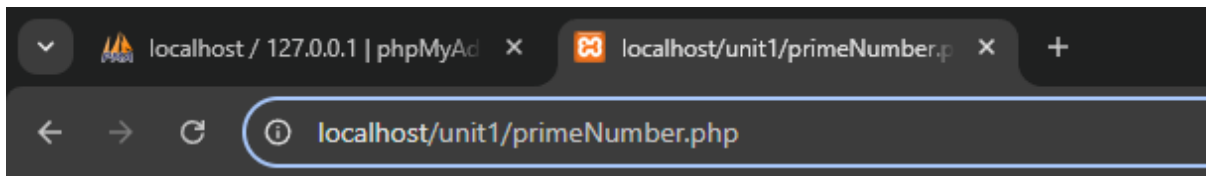


17 is Prime Numbers



Prime Number

Enter the Number :



20 is Not Prime Numbers

Result:

Thus, our program has been successfully saved and executed.

EX.NO : 02

GENERATE PRIME NUMBER

DATE :

AIM:

To write a php program to generate the prime number upto the given number

ALGORITHM:

Step 1: Start the process

Step 2: Write the html5 program and create a form using text area and button control it performs the form action.

Step 3: When we click our button control it performs the form action.

Step 4: Write a php code and create a generatePrimeNumber.php file

Step 5: Check if the sequence of number is prime then print.

```
for($i=2;$i<=$v;$i++)
{
    $flag=1;
    for($j=2;$j<$i;$j++){
        if($i % $j == 0){
            $flag = 0;
            break;
        }
    }
    if($flag == 1){
        echo $i." is Prime Numbers ";
        echo "<br>";
    }
}
```

Step 6: Save this program in the name of generatePrimeNumber.php and run using any web browser.

Step 7: Stop the process.

form.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Generate Of Prime Number</title>
  <style>
    .Heading{
      display: flex;
      flex-direction: column;
      align-items: center;
      margin-top: 200PX;
    }
    button{
      align-items: center;
      justify-content: center;
      margin-left: 120px;
      margin-top: 20px;
    }
  </style>
</head>
<body>
  <div class="Heading">
    <h1>Generate Of Prime Number</h1>
    <form action="generatePrimeNumber.php" method="post">
      <label for="number">Enter the Number : </lable>
      <input type = "text" name="number">
      <br>
      <button onClick="generatePrimeNumber.php">Click Me</button>
    </form>
  </div>
</body>
</html>
```

generateprimeNumber.php

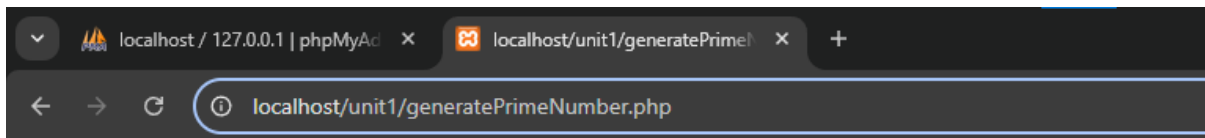
```
<?php
$v=$_POST["number"];
for($i=2;$i<=$v;$i++)
{
    $flag=1;
    for($j=2;$j<$i;$j++){
        if($i % $j == 0){
            $flag = 0;
            break;
        }
    }
    if($flag == 1){
        echo $i." is Prime Numbers ";
        echo "<br>";
    }
}
?>
```


Output:



Generate Of Prime Number

Enter the Number :



2 is Prime Numbers
3 is Prime Numbers
5 is Prime Numbers
7 is Prime Numbers
11 is Prime Numbers
13 is Prime Numbers

Result:

Thus, our program has been successfully saved and executed.

EX.NO : 03	<u>PERFECT NUMBERS</u>
DATE :	

AIM:

To write a php program to check the given number is perfect number or not

ALGORITHM:

Step 1: Start the process

Step 2: Write the html5 program and create a form using text area and button control it performs the form action.

Step 3: When we click our button control it performs the form action.

Step 4: Write a php code and create a PerfectNumber.php file

Step 5: Check if the given number is perfect number or not.

```
$sum=1;
for($i=2;$i<$v;$i++){
    if($v%$i==0){
        $sum = $sum + $i;
    }
}
if($sum==$v){
    echo $v." is Perfect Number ";
    echo "<br>";
}
else{
    echo $v." is Not Perfect Number ";
    echo "<br>";
}
```

Step 6: Save this program in the name of PerfectNumber.php and run using any web browser.

Step 7: Stop the process.

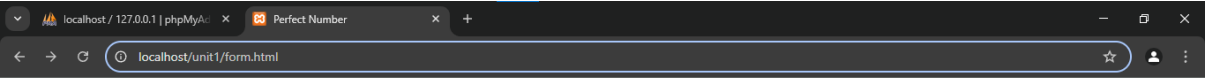
form.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Perfect Number</title>
  <style>
    .Heading{
      display: flex;
      flex-direction: column;
      align-items: center;
      margin-top: 200PX;
    }
    button{
      align-items: center;
      justify-content: center;
      margin-left: 120px;
      margin-top: 20px;
    }
  </style>
</head>
<body>
  <div class="Heading">
    <h1>Perfect Number </h1>
    <form action="PerfectNumber.php" method="post">
      <label for="number">Enter the Number : </lable>
      <input type = "text" name="number">
      <br>
      <button onClick="PerfectNumber.php">Click Me</button>
    </form>
  </div>
</body>
</html>
```

PerfectNumber.php

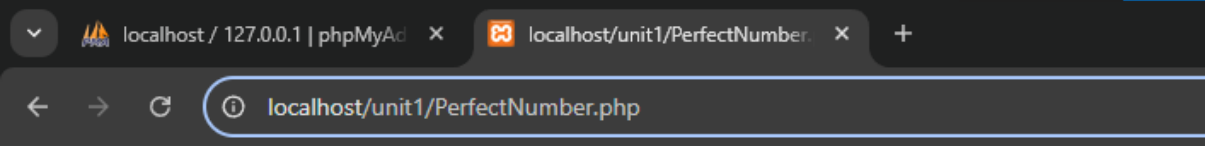
```
<?php
$v=$_POST["number"];
$sum=1;
for($i=2;$i<$v;$i++){
    if($v%$i==0){
        $sum = $sum + $i;
    }
}
if($sum==$v){
    echo $v." is Perfect Number ";
    echo "<br>";
}
else{
    echo $v." is Not Perfect Number ";
    echo "<br>";
}
?>
```

Output:

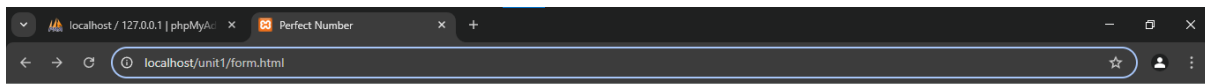


Perfect Number

Enter the Number :

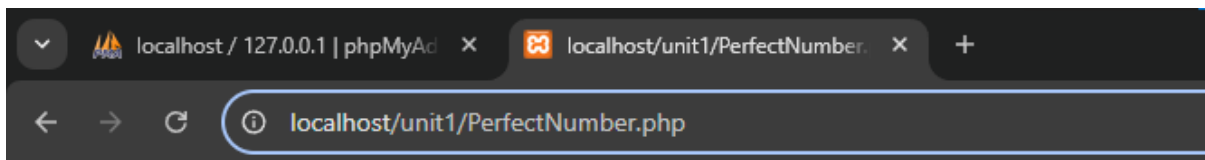


6 is Perfect Number



Perfect Number

Enter the Number :



10 is Not Perfect Number

Result:

Thus, our program has been successfully saved and executed.

EX.NO : 04

GENERATE PERFECT NUMBERS

DATE :

AIM:

To write a php program to generate the perfect number upto the given number

ALGORITHM:

Step 1: Start the process

Step 2: Write the html5 program and create a form using text area and button control it performs the form action.

Step 3: When we click our button control it performs the form action.

Step 4: Write a php code and create a GeneratePerfectNumber.php file

Step 5: To generate perfect number upto the given number.

```
for($j=2;$j<=$v;$j++)
{
    $sum=1;
    for($i=2;$i<$j;$i++){
        if($j%$i==0){
            $sum = $sum + $i;
        }
    }
    if($sum==$j){
        echo $j." is Perfect Number ";
        echo "<br>";
    }
}
```

Step 6: Save this program in the name of GeneratePerfectNumber.php and run using any web browser.

Step 7: Stop the process.

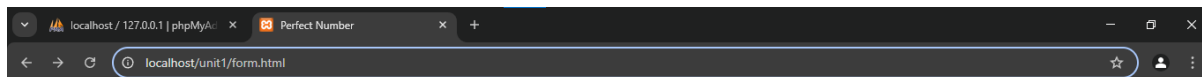
form.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Perfect Number</title>
  <style>
    .Heading{
      display: flex;
      flex-direction: column;
      align-items: center;
      margin-top: 200PX;
    }
    button{
      align-items: center;
      justify-content: center;
      margin-left: 120px;
      margin-top: 20px;
    }
  </style>
</head>
<body>
  <div class="Heading">
    <h1>Generate Perfect Number</h1>
    <form action="GeneratePerfectNumber.php" method="post">
      <label for="number">Enter the Number : </lable>
      <input type = "text" name="number">
      <br>
      <button onClick="GeneratePerfectNumber.php">Click Me</button>
    </form>
  </div>
</body>
</html>
```


GeneratePerfectNumber.php

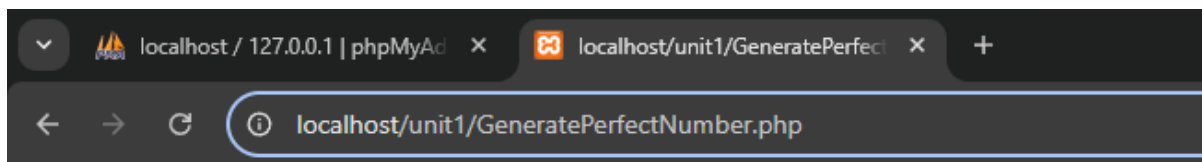
```
<?php
$v=$_POST["number"];
for($j=2;$j<=$v;$j++)
{
    $sum=1;
    for($i=2;$i<$j;$i++){
        if($j%$i==0){
            $sum = $sum + $i;
        }
    }
    if($sum==$j){
        echo $j." is Perfect Number ";
        echo "<br>";
    }
}
?>
```

Output:



Generate Perfect Number

Enter the Number :



6 is Perfect Number

28 is Perfect Number

Result:

Thus, our program has been successfully saved and executed.

EX.NO : 05	<u>ARM STRONG</u>
DATE :	

AIM:

To write a php program to check the given number is Arm Strong number or not

ALGORITHM:

Step 1: Start the process.

Step 2: Write the html5 program and create a form using text area and button control it performs the form action.

Step 3: When we click our button control it performs the form action.

Step 4: Write a php code and create a Armstrong.php file

Step 5: To check the given number is Armstrong Number or not.

```
$c=$v;
$r = 0;
$sum = 0;
while($v>0){
    $r = $v % 10;
    $sum = $sum + ( $r * $r * $r);
    $v = $v / 10;
}
if($c==$sum){
    echo $c." Is Arm strong Number";
}
else{
    echo $c." Is Not an Arm strong Number";
}
```

Step 6: Save this program in the name of Armstrong.php and run using any web browser.

Step 7: Stop the process.

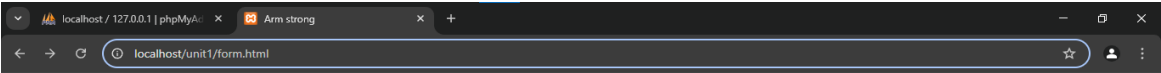
form.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Arm strong</title>
  <style>
    .Heading{
      display: flex;
      flex-direction: column;
      align-items: center;
      margin-top: 200PX;
    }
    button{
      align-items: center;
      justify-content: center;
      margin-left: 120px;
      margin-top: 20px;
    }
  </style>
</head>
<body>
  <div class="Heading">
    <h1>Arm strong</h1>
    <form action="Armstrong.php" method="post">
      <label for="number">Enter the Number : </lable>
      <input type = "text" name="number">
      <br>
      <button onClick="Armstrong.php">Click Me</button>
    </form>
  </div>
</body>
</html>
```

Armstrong.php

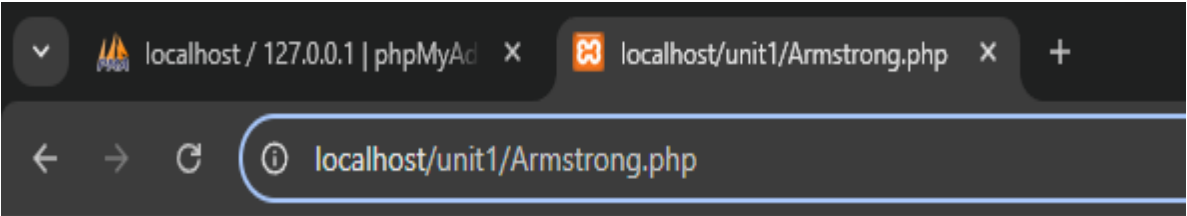
```
<?php
    $v=$_POST["number"];
    $c=$v;
    $r = 0;
    $sum = 0;
    while($v>0){
        $r = $v%10;
        $sum = $sum + ($r*$r*$r);
        $v = $v/10;
    }
    if($c==$sum){
        echo $c." Is Arm strong Number";
    }
    else{
        echo $c." Is Not an Arm strong Number";
    }
?>
```

Output:

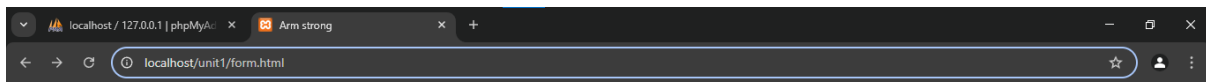


Arm strong

Enter the Number :

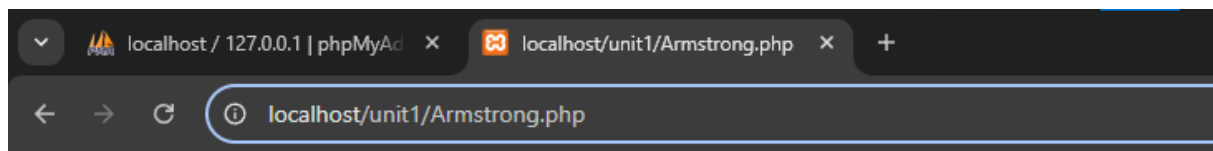


153 Is Arm strong Number



Arm strong

Enter the Number :



154 Is Not an Arm strong Number

Result:

Thus, our program has been successfully saved and executed.

EX.NO : 06	<u>GENERATE ARM STRONG</u>
DATE :	

AIM:

To write a php program to generate the Arm Strong number upto the given number

ALGORITHM:

Step 1: Start the process

Step 2: Write the html5 program and create a form using text area and button control it performs the form action.

Step 3: When we click our button control it performs the form action.

Step 4: Write a php code and create a GenerateArmStrong.php file

Step 5: To generate Arm strong number upto the given number.

```
for($i=1;$i<=$v;$i++){  
    $sum = 0;  
    $j=$i;  
    while($j>0){  
        $r = $j%10;  
        $sum = $sum + ($r*$r*$r);  
        $j = $j/10;  
    }  
    if($i==$sum){  
        echo $sum." Is Arm strong Number";  
        echo "<br>";  
    }  
}
```

Step 6: Save this program in the name of GenerateArmStrong.php and run using any web browser.

Step 7: Stop the process.

form.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Generate Arm Strong</title>
  <style>
    .Heading{
      display: flex;
      flex-direction: column;
      align-items: center;
      margin-top: 200PX;
    }
    button{
      align-items: center;
      justify-content: center;
      margin-left: 120px;
      margin-top: 20px;
    }
  </style>
</head>
<body>
  <div class="Heading">
    <h1>Generate Arm Strong</h1>
    <form action="GenerateArmStrong.php" method="post">
      <label for="number">Enter the Number : </lable>
      <input type = "text" name="number">
      <br>
      <button onClick="GenerateArmStrong.php">Click Me</button>
    </form>
  </div>
</body>
</html>
```

GenerateArmStrong.php

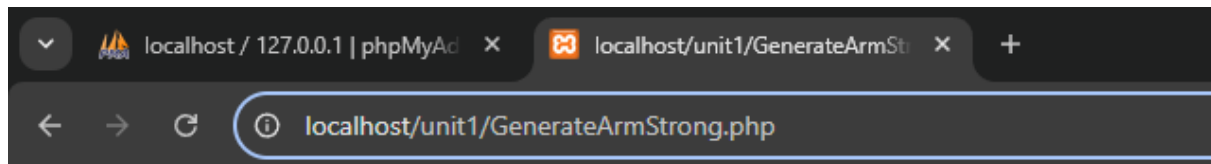
```
<?php
    $v = $_POST["number"];
    $c = $v;
    $r = 0;
    for($i=1;$i<=$v;$i++){
        $sum = 0;
        $j=$i;
        while($j>0){
            $r = $j%10;
            $sum = $sum + ($r*$r*$r);
            $j = $j/10;
        }
        if($i==$sum){
            echo $sum." Is Arm strong Number";
            echo "<br>";
        }
    }
?>
```

Output:



Generate Arm Strong

Enter the Number :



1 Is Arm strong Number
153 Is Arm strong Number
370 Is Arm strong Number
371 Is Arm strong Number
407 Is Arm strong Number

Result:

Thus, our program has been successfully saved and executed.

EX.NO : 07	<u>PRODUCT OF THE PRIME</u>
DATE :	

AIM:

To write a php program to generate the product of the prime for the given number

ALGORITHM:

Step 1: Start the process

Step 2: Write the html5 program and create a form using text area and button control it performs the form action.

Step 3: When we click our button control it performs the form action.

Step 4: Write a php code and create a ProductofPrime.php file

Step 5: To generate product of prime number for the given number.

```
$i=2;
while($v!=1){
    if($v%$i==0){
        echo $i.", ";
        $v=$v/$i;
    }
    else{
        $i=$i+1;
    }
}
```

Step 6: Save this program in the name of ProductofPrime.php and run using any web browser.

Step 7: Stop the process.

form.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Product of Prime</title>
  <style>
    .Heading{
      display: flex;
      flex-direction: column;
      align-items: center;
      margin-top: 200PX;
    }
    button{
      align-items: center;
      justify-content: center;
      margin-left: 120px;
      margin-top: 20px;
    }
  </style>
</head>
<body>
  <div class="Heading">
    <h1>Product of Prime </h1>
    <form action="ProductofPrime.php" method="post">
      <label for="number">Enter the Number : </lable>
      <input type = "text" name="number">
      <br>
      <button onClick="ProductofPrime.php">Click Me</button>
    </form>
  </div>
</body>
</html>
```

ProductofPrime.php

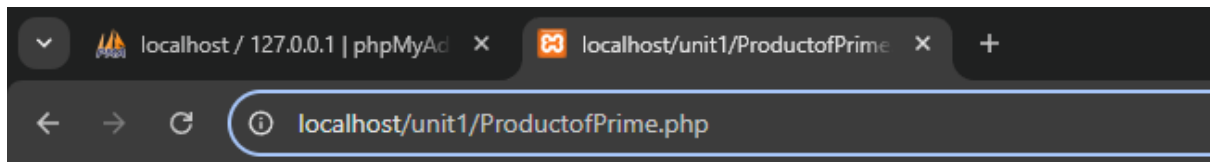
```
<?php
$v=$_POST["number"];
$i=2;
while($v!=1){
    if($v%$i==0){
        echo $i.", ";
        $v=$v/$i;
    }
    else{
        $i=$i+1;
    }
}
?>
```

Output:



Product of Prime

Enter the Number :



2,2,2,5,5,5,

Result:

Thus, our program has been successfully saved and executed.

EX.NO : 08	<u>COLLATZE SEQUENCE</u>
DATE :	

AIM:

To write a php program to generate collatze sequence for the given number

ALGORITHM:

Step 1: Start the process.

Step 2: Write the html5 program and create a form using text area and button control it performs the form action.

Step 3: When we click our button control it performs the form action.

Step 4: Write a php code and create a collatzsequence.php file

Step 5: To generate collatzsequence number for the given number.

```
while($v != 1){  
    if($v % 2 == 0){  
        $v = $v/2;  
        echo $v.", ";  
    }  
    else{  
        $v= 3 * $v + 1;  
        echo $v.", ";  
    }  
}
```

Step 6: Save this program in the name of collatzsequence.php and run using any web browser.

Step 7: Stop the process.

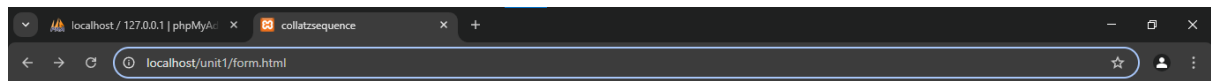
form.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>collatzsequence</title>
  <style>
    .Heading{
      display: flex;
      flex-direction: column;
      align-items: center;
      margin-top: 200PX;
    }
    button{
      align-items: center;
      justify-content: center;
      margin-left: 120px;
      margin-top: 20px;
    }
  </style>
</head>
<body>
  <div class="Heading">
    <h1>collatzsequence</h1>
    <form action="collatzsequence.php" method="post">
      <label for="number">Enter the Number : </lable>
      <input type = "text" name="number">
      <br>
      <button onClick="collatzsequence.php">Click Me</button>
    </form>
  </div>
</body>
</html>
```

collatzsequence.php

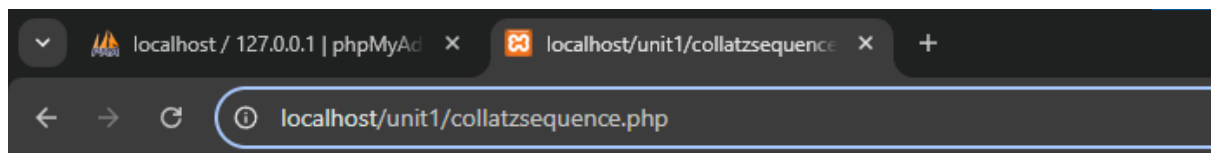
```
<?php
$v=$_POST["number"];
while($v!=1){
    if($v%2==0){
        $v=$v/2;
        echo $v.", ";
    }
    else{
        $v=3* $v+1;
        echo $v.", ";
    }
}
?>
```

Output:



collatzsequence

Enter the Number :



5,16,8,4,2,1,

Result:

Thus, our program has been successfully saved and executed.

EX.NO : 09	<u>AMICABLE NUMBERS</u>
DATE :	

AIM:

To write a php program to generate collatz sequence for the given number

ALGORITHM:

Step 1: Start the process.

Step 2: Write the html5 program and create a form using text area and button control it performs the form action.

Step 3: When we click our button control it performs the form action.

Step 4: Write a php code and create a AmicableNumbers.php file.

Step 5: To check the given number is Amicable Number or not.

```
$sum=0;
$sum_of_sum = 0;
for($i=1;$i<$v;$i++){
    if($v%$i==0){
        $sum = $sum+$i;
    }
}

for($i=1;$i<$sum;$i++){
    if($sum%$i==0){
        $sum_of_sum = $sum_of_sum+$i;
    }
}

if($sum_of_sum == $v){
    echo $v." is Amicable Number";
}
else{
    echo $v." is No Amicable Numbers";
}
```

Step 6: Save this program in the name of AmicableNumbers.php and run using any web browser.

Step 7: Stop the process.

form.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Amicable Numbers</title>
  <style>
    .Heading{
      display: flex;
      flex-direction: column;
      align-items: center;
      margin-top: 200PX;
    }
    button{
      align-items: center;
      justify-content: center;
      margin-left: 120px;
      margin-top: 20px;
    }
  </style>
</head>
<body>
  <div class="Heading">
    <h1>Amicable Numbers</h1>
    <form action="AmicableNumbers.php" method="post">
      <label for="number">Enter the Number : </lable>
      <input type = "text" name="number">
      <br>
      <button onClick="AmicableNumbers.php">Click Me</button>
    </form>
  </div>
</body>
</html>
```

AmicableNumbers.php

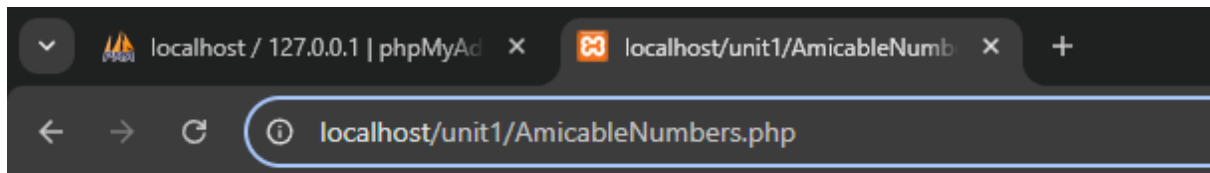
```
<?php
$v = $_POST["number"];
$sum=0;
$sum_of_sum = 0;
for($i=1;$i<$v;$i++){
    if($v%$i==0){
        $sum = $sum+$i;
    }
}
for($i=1;$i<$sum;$i++){
    if($sum%$i==0){
        $sum_of_sum = $sum_of_sum+$i;
    }
}
if($sum_of_sum == $v){
    echo $v." is Amicable Number";
}
else{
    echo $v." is No Amicable Numbers";
}
?>
```

Output:



Amicable Numbers

Enter the Number :



220 is Amicable Number

Result:

Thus, our program has been successfully saved and executed.

EX.NO : 10	<u>CO-PRIME NUMBERS</u>
DATE :	

AIM:

To write a php program to check the given numbers are co-prime or not

ALGORITHM:

Step 1: Start the process.

Step 2: Write the html5 program and create a form using text area and button control it performs the form action.

Step 3: When we click our button control it performs the form action.

Step 4: Write a php code and create a coprime.php file.

Step 5: To check the given two numbers are co-prime or not.

```
function gcd($a, $b) {  
    while ($b != 0) {  
        $temp = $b;  
        $b = $a % $b;  
        $a = $temp;  
    }  
    return $a;  
}  
function areCoPrime($num1, $num2) {  
    if (gcd($num1, $num2) == 1) {  
        return true;  
    }  
    return false;  
}
```

Step 6: Save this program in the name of coprime.php and run using any web browser.

Step 7: Stop the process.

coprimeformdesign. html

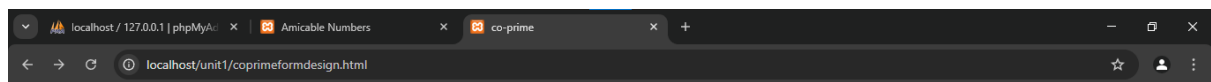
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>co-prime</title>
  <style>
    .Heading{
      display: flex;
      flex-direction: column;
      align-items: center;
      margin-top: 200PX;
    }
    button{
      align-items: center;
      justify-content: center;
      margin-left: 120px;
      margin-top: 20px;
    }
  </style>
</head>
<body>
  <div class="Heading">
    <h1>co-prime</h1>
    <form action="coprime.php" method="post">
      <label for="num1">Enter the Num1 : </lable>
      <input type = "text" name="num1">
      <label for="num2">Enter the Num2 : </lable>
      <input type = "text" name="num2">
      <br>
      <button onClick="coprime.php">Click Me</button>
    </form>
  </div>
</body>
</html>
```

coprime.php

```
<?php
function gcd($a, $b) {
    while ($b != 0) {
        $temp = $b;
        $b = $a % $b;
        $a = $temp;
    }
    return $a;
}
function areCoPrime($num1, $num2) {
    if (gcd($num1, $num2) == 1) {
        return true;
    }
    return false;
}
if (isset($_POST["num1"]) && isset($_POST["num2"])) {
    $num1 = $_POST["num1"];
    $num2 = $_POST["num2"];

    if (areCoPrime($num1, $num2)) {
        echo "$num1 and $num2 are co-prime.";
    } else {
        echo "$num1 and $num2 are not co-prime.";
    }
} else {
    echo "Please provide two numbers via URL (e.g., ?num1=5&num2=9)";
}
?>
```

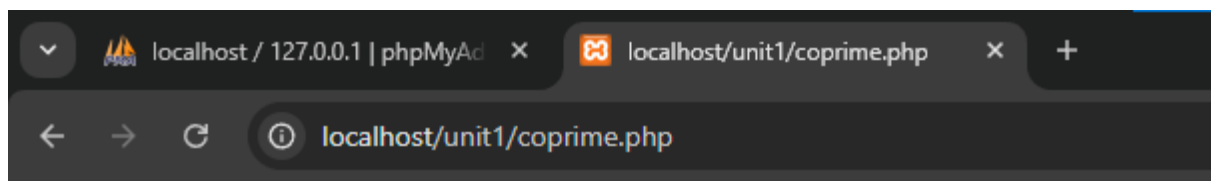
Output:



co-prime

Enter the Num1 : 10
Enter the Num2 : 7

Click Me



10 and 7 are co-prime.

Result:

Thus, our program has been successfully saved and executed.

EX.NO : 11	<u>EVEN FIBONACCI NUMBERS</u>
DATE :	

AIM:

To write a php program to sum of the even fibonacci numbers for the given numbers.

ALGORITHM:

Step 1: Start the process.

Step 2: Write the html5 program and create a form using text area and button control it performs the form action.

Step 3: When we click our button control it performs the form action.

Step 4: Write a php code and create a EvenFibonacci.php file.

Step 5: To sum of the even fibonacci numbers for the given numbers.

```
while ($b <= $limit) {  
    if ($b % 2 == 0) {  
        $sum += $b;  
    }  
  
    $next = $a + $b;  
    $a = $b;  
    $b = $next;  
}
```

Step 6: Save this program in the name of EvenFibonacci.php and run using any web browser.

Step 7: Stop the process.

form.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Even fibonacci</title>
  <style>
    .Heading{
      display: flex;
      flex-direction: column;
      align-items: center;
      margin-top: 200PX;
    }
    button{
      align-items: center;
      justify-content: center;
      margin-left: 120px;
      margin-top: 20px;
    }
  </style>
</head>
<body>
  <div class="Heading">
    <h1>Even fibonacci</h1>
    <form action="Evenfibonacci.php" method="post">
      <label for="number">Enter the Number : </lable>
      <input type = "text" name="number">
      <br>
      <button onClick="Evenfibonacci.php">Click Me</button>
    </form>
  </div>
</body>
</html>
```

Evenfibonacci.php

<?php

```
function evenFibonacciNumbers($limit) {
```

```
    $a = 0;
```

```
    $b = 1;
```

```
    $sum = 0;
```

```
    while ($b <= $limit) {
```

```
        if ($b % 2 == 0) {
```

```
            $sum += $b;
```

```
        }
```

```
        $next = $a + $b;
```

```
        $a = $b;
```

```
        $b = $next;
```

```
    }
```

```
    return $sum;
```

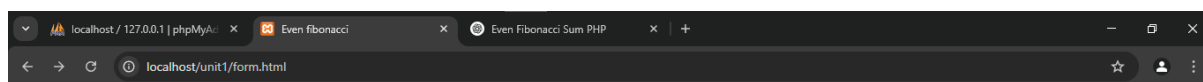
```
}
```

```
$limit = $_POST["number"];
```

```
echo "The Number of Sum of even Fibonacci numbers is $limit: " . evenFibonacciNumbers($limit) . "\n";
```

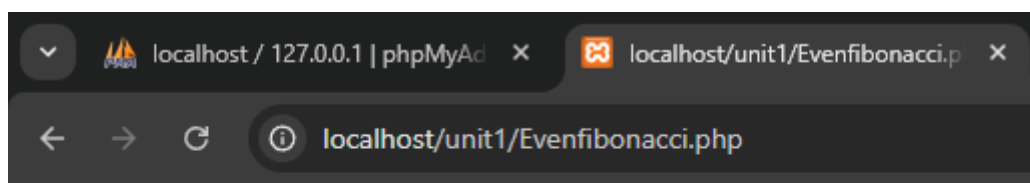
```
?>
```

Output:



Even fibonacci

Enter the Number :



The Number of Sum of even Fibonacci numbers is 10: 10

Result:

Thus, our program has been successfully saved and executed.

| | |
|-------------------|----------------------------|
| EX.NO : 12 | <u>SINGLE DIGIT</u> |
| DATE : | |

AIM:

To write a php program to convert the given numbers into single digit number.

ALGORITHM:

Step 1: Start the process.

Step 2: Write the html5 program and create a form using text area and button control it performs the form action.

Step 3: When we click our button control it performs the form action.

Step 4: Write a php code and create a single.php file.

Step 5: To convert the given number into single digit.

```
while ($number >= 10) {  
  
    $number = array_sum(str_split($number));  
  
}
```

Step 6: Save this program in the name of single.php and run using any web browser.

Step 7: Stop the process.

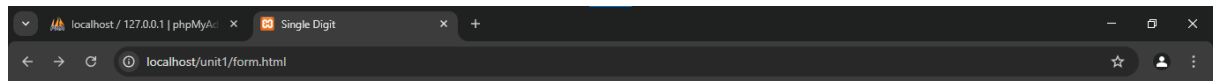
form.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Single Digit</title>
  <style>
    .Heading{
      display: flex;
      flex-direction: column;
      align-items: center;
      margin-top: 200PX;
    }
    button{
      align-items: center;
      justify-content: center;
      margin-left: 120px;
      margin-top: 20px;
    }
  </style>
</head>
<body>
  <div class="Heading">
    <h1>Convert the Given Numbers into Single Digit</h1>
    <form action="single.php" method="post">
      <label for="number">Enter the Number : </lable>
      <input type = "text" name="number">
      <br>
      <button onClick="single.php">Click Me</button>
    </form>
  </div>
</body>
</html>
```

single.php

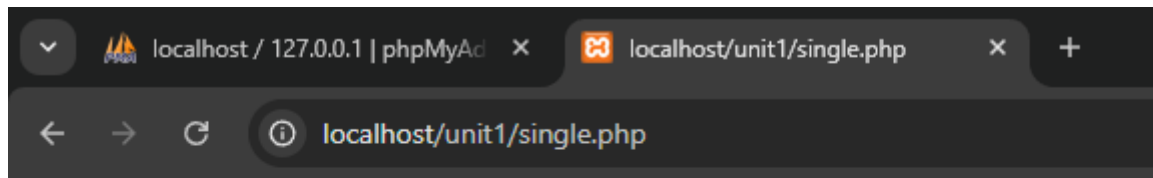
```
<?php
function reduceToSingleDigit($number) {
  while ($number >= 10) {
    $number = array_sum(str_split($number));
  }
  return $number;
}
$number = $_POST["number"];
echo "The Given Number $number : " . reduceToSingleDigit($number);
?>
```

Output:



Convert the Given Numbers into Single Digit

Enter the Number :



The Given Number 9875 : 2

Result:

Thus, our program has been successfully saved and executed.