

PHP LAB PROGRAMS

PROGRAM 1

```
<html>
<body>
<h4>PHP program which adds up columns and rows of a given table</h4>

<form method="post">
Enter the number of rows : <input type="number" name="m"><br><br>
Enter the number of columns : <input type="number" name="n"><br><br>
<input type="submit" name="submit" value="Submit">
</form>

<?php
$a=array(array());
if(isset($_POST['submit']))
{
    $m = $_POST['m'];
    $n = $_POST['n'];
    $x = 1;
    for ($i = 0; $i < $m; $i++)
        for ($j = 0; $j < $n; $j++)
        {
            $a[$i][$j] = $x++;
        }

    echo("The Given Matrix is:<br><br>");
    for($i = 0; $i < $m; $i++)
    {
        for($j = 0; $j < $n; $j++)
            echo ($a[$i][$j] . " ");
        echo("<br>");
    }

    echo("<br>Sum of each column:<br><br>");
    for( $i = 0; $i < $m; $i++)
    {
        $ColSum = 0;
        for($j = 0; $j < $n; $j++)
```

```

        {
            $ColSum = $ColSum + $a[$j][$i];
        }
        echo("Sum of " . ($i+1) . " column: " . $ColSum);
        echo("<br>");
    }

    echo("<br>Sum of each row:<br><br>");
    for($i = 0; $i < $m; $i++)
    {
        $RowSum = 0;
        for($j = 0; $j < $n; $j++)
        {
            $RowSum = $RowSum + $a[$i][$j];
        }
        echo("Sum of " . ($i+1) . " row: " . $RowSum);
        echo("<br>");
    }
}
?>
</body>
</html>

```

OUTPUT

PHP program which adds up columns and rows of a given table

Enter the number of rows :

Enter the number of columns :

The Given Matrix is:

```

1 2 3
4 5 6
7 8 9

```

Sum of each column:

```

Sum of 1 column: 12
Sum of 2 column: 15
Sum of 3 column: 18

```

Sum of each row:

```

Sum of 1 row: 6
Sum of 2 row: 15
Sum of 3 row: 24

```

PROGRAM 2

```
<html>
<body>
<h4>Finding the Sum of Prime Numbers</h4>

<form method="post">
Enter the value of n:<input type="number" name="n"><br><br>
<input type="submit" name="submit" value="Sum Prime Numbers"><br><br>
</form>

<?php
    if(isset($_POST['submit']))
    {
        $n = $_POST['n'];
        $primes = array();
        $is_prime_no = false;
        for ($i = 2; $i<$n; $i++)
        {
            $is_prime_no = true;
            for ($j = 2; $j<=($i/2); $j++)
            {
                if ($i%$j==0)
                {
                    $is_prime_no = false;
                    break;
                }
            }
            if ($is_prime_no)
            {
                array_push($primes,$i);
            }
            if (count($primes)==$n)
            {
                break;
            }
        }
        $$=array_sum($primes);
        echo 'Sum of Prime Numbers=',$$;
    }
?>
```

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

OUTPUT

Finding the Sum of Prime Numbers

Enter the value of n:

Sum of Prime Numbers=1060

PROGRAM 3

```
<html>
<body>
<h4>Email Address Validation</h4>

<form method="post">
Enter the email address: <input type="text" name="email"><br><br>
<input type="submit" name="submit" value="Check Email Address"><br><br>
</form>

<?php
    if(isset($_POST['submit']))
    {
        $email = $_POST['email'];
        if (filter_var($email, FILTER_VALIDATE_EMAIL))
        {
            echo("$email is a valid email address");
        }
        else
        {
            echo("$email is not a valid email address");
        }
    }
?>
</body>
</html>
```

OUTPUT

Email Address Validation

Enter the email address:

abc@gmail.com is a valid email address

PROGRAM 4

```
<html>
<body>
<h4>Conversion of a number written in words to digit</h4>

<form method="post">
Enter the number in words: <input type="text" name="word"><br><br>
<input type="submit" name="submit" value="Convert"><br><br>
</form>

<?php
    if(isset($_POST['submit']))
    {
        $word = $_POST['word'];
        echo word_digit($word)."\n";
    }

function word_digit($word)
{
    $warr = explode(';', $word);
    $result = "";

    foreach($warr as $value)
    {
        switch(trim($value))
        {
            case 'zero':
                $result .= '0';
                break;
            case 'one':
                $result .= '1';
                break;
            case 'two':
                $result .= '2';
                break;
            case 'three':
                $result .= '3';
                break;
            case 'four':
                $result .= '4';
```

```
        break;
    case 'five':
        $result .= '5';
        break;
    case 'six':
        $result .= '6';
        break;
    case 'seven':
        $result .= '7';
        break;
    case 'eight':
        $result .= '8';
        break;
    case 'nine':
        $result .= '9';
        break;
    }
}
return $result;
}
?>
</body>
</html>
```

OUTPUT

Conversion of a number written in words to digit

Enter the number in words:

1234

PROGRAM 5

```
<html>
<body>
<h3>PAUSING PROGRAM EXECUTION FOR GIVEN SECONDS</h3>

<form method="post">
Select the Number of Seconds to Delay: <input type="number" name="sec" min="0"
max="60"><br><br>
<input type="submit" name="sub" value="SUBMIT">
</form><br><br>

<?php
echo "Before Sleeping: ".date('h:i:s:a')."<br>" ;
if(isset($_POST['sub']))
{
$r = $_POST['sec'];
sleep($r);
echo "\n After Sleeping: ".date('h:i:s:a')."<br><br>";
echo "The Program Execution Delayed for $r seconds";
}

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

OUTPUT

PAUSING PROGRAM EXECUTION FOR GIVEN SECONDS

Select the Number of Seconds to Delay:

Before Sleeping: 09:17:39:am

After Sleeping: 09:17:49:am

The Program Execution Delayed for 10 seconds

PROGRAM 6

```
<html>
<body>
<h3>CHANGING THE COLOUR OF FIRST LETTER OF EACH WORD</h3>

<form method="post">
TYPE YOUR TEXT IN THE TEXTBOX: <input type="text" name="comment"><br><br>
<input type="submit" name="sub" value="SUBMIT">
</form>

<?php
error_reporting(1);

if(isset($_POST['sub']))
{
$text = $_POST['comment'];
$text = preg_replace('/(\b[a-z])/i','<span style="color:red;">\1</span>', $text);
echo "<br><br> <b>OUTPUT: </b>". $text;
}
?>
</body>
</html>
```

OUTPUT

CHANGING THE COLOUR OF FIRST LETTER OF EACH WORD

TYPE YOUR TEXT IN THE TEXTBOX:

OUTPUT: Hi...How are You

PROGRAM 7

```
<html>
<body>
<h2> MULTIPLICATION TABLE </h2>

<form method="post">
ENTER THE NUMBER (RANGE: 1-100) FOR WHICH THE TABLE TO BE GENERATED:<br><br>
<input type="number" name="num" max="100" min="1"><br><br>

ENTER THE LOWER LIMIT(RANGE: 1-20):<br><br>
<input type="number" name="lowlim" max="20" min="1"><br><br>

<input type="submit" name="sub"><br><br>
</form>

<h2>OUTPUT:</h2>

<?php
    if(isset($_POST['sub']))
    {
        $n=$_POST['num'];
        $low=$_POST['lowlim'];
        for($i=1;$i<=$low;$i++)
        {
            echo "<br> ".$n." * ".$i." = ".$n*$i;
        }
    }
?>
</body>
</html>
```

OUTPUT

MULTIPLICATION TABLE

ENTER THE NUMBER (RANGE: 1-100) FOR WHICH THE TABLE TO BE GENERATED:

ENTER THE LOWER LIMIT(RANGE: 1-20):

OUTPUT:

```
2 * 1= 2
2 * 2= 4
2 * 3= 6
2 * 4= 8
2 * 5= 10
2 * 6= 12
2 * 7= 14
2 * 8= 16
2 * 9= 18
2 * 10= 20
```

PROGRAM 8

```
<html>
<body>
<h3>FACTORIAL OF A GIVEN NUMBER</h3>

<form method="post">
ENTER THE NUMBER (RANGE 1-20): <input type="number" name="num" max="20"
min="1"><br><br>
<input type="submit" name="sub"><br><br>
</form>

<h3>OUTPUT:</h3><br>

<?php
if(isset($_POST['sub']))
{
    $n=$_POST['num'];
    for($i=1,$f=1;$i<=$n;$i++)
    {
        $f=$f*$i;
    }
    echo "FACTORIAL OF ".$n." IS: ".$f;
}
?>

</body>
</html>
```

OUTPUT

FACTORIAL OF A GIVEN NUMBER

ENTER THE NUMBER (RANGE 1-20):

OUTPUT:

FACTORIAL OF 6 IS: 720

PROGRAM 9

```
<html>
<body>
<h3>READING A FILE, REVERSING ITS CONTENT AND WRITING IN NEW FILE</h3><br><br>

<form method="post">
  <input type="submit" name="sub"><br><br>
</form>

<?php
$fp =fopen('file1.txt','r');
$fp2=fopen('file2.txt','w');
$file = file('file1.txt');
$read_rev = array_reverse($file);

if(isset($_POST['sub']))
{
  foreach ($read_rev as $dis_line)
  {
    fwrite($fp2, print_r($dis_line, true));
  }
  echo "<br>FILE CONTENT SUCCESSFULLY COPIED TO NEW FILE !";
}

else
{
  echo "<br>CLICK THE SUBMIT BUTTON TO EXECUTE";
}

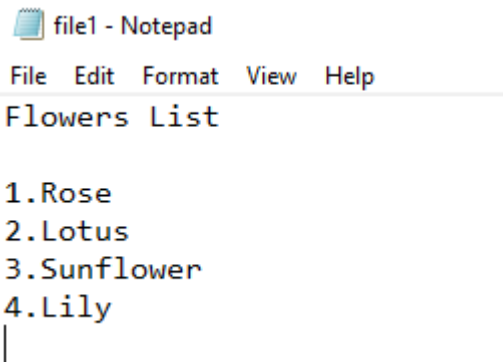
fclose($fp);
fclose($fp2);
?>

</body>
</html>
```

OUTPUT

READING A FILE, REVERSING ITS CONTENT AND WRITING IN NEW FILE

FILE CONTENT SUCCESSFULLY COPIED TO NEW FILE !

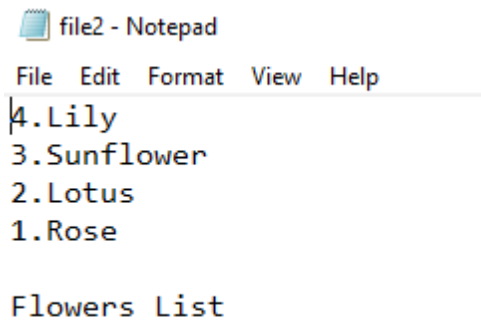


file1 - Notepad

File Edit Format View Help

Flowers List

1.Rose
2.Lotus
3.Sunflower
4.Lily
|



file2 - Notepad

File Edit Format View Help

4.Lily
3.Sunflower
2.Lotus
1.Rose

Flowers List

PROGRAM 10

```
<html>
<body>
<h2>RENAMING FILES WITH .txt TO .txt EXTENSION IN CURRENT DIRECTORY</h2><br><br>

<form method="post">
  <input type="submit" name="sub"><br><br>
</form>

<?php
if(isset($_POST['sub']))
{
$dirpath = getcwd();
$dir= $dirpath."\*.txt";
$files = array();
$files = glob($dir);

foreach($files as $f)
{
echo "<br> <b>BEFORE: </b>".$f;
$newfile= substr($f, 0, -4);
$newfile = $newfile.'.'. 'txt';

echo "<br> <b>AFTER: </b>".$newfile.'<br>';
rename($f,$newfile);
}
echo "<br>Successfully Renamed !";
}

else
{
echo "<br>CLICK THE SUBMIT BUTTON TO EXECUTE";
}
?>
</body>
</html>
```

OUTPUT

RENAMING FILES WITH .txt TO .xtx EXTENSION IN CURRENT DIRECTORY

Submit

CLICK THE SUBMIT BUTTON TO EXECUTE

RENAMING FILES WITH .txt TO .xtx EXTENSION IN CURRENT DIRECTORY





Submit





BEFORE: C:\wamp\www\PHPProgam\Program 10\File 1.txt
AFTER: C:\wamp\www\PHPProgam\Program 10\File 1.xtx

BEFORE: C:\wamp\www\PHPProgam\Program 10\File 2.txt
AFTER: C:\wamp\www\PHPProgam\Program 10\File 2.xtx

BEFORE: C:\wamp\www\PHPProgam\Program 10\File 3.txt
AFTER: C:\wamp\www\PHPProgam\Program 10\File 3.xtx

Successfully Renamed !

Name	Date modified	Type	Size
 File 1	07-05-2022 18:02	Text Document	0 KB
 File 2	07-05-2022 18:02	Text Document	0 KB
 File 3	07-05-2022 18:03	Text Document	0 KB
 Program 10	07-05-2022 18:01	PHP File	1 KB

Name	Date modified	Type	Size
 File 1.xtx	07-05-2022 18:02	XTX File	0 KB
 File 2.xtx	07-05-2022 18:02	XTX File	0 KB
 File 3.xtx	07-05-2022 18:03	XTX File	0 KB
 Program 10	07-05-2022 18:01	PHP File	1 KB

PROGRAM 11

```
<html>
<body>
<h4>File List Sorted by Last Modification Time</h4>

<?php
$dirpath = getcwd();
$dirpath .= "\*.*";
$files = array();
$files = glob($dirpath);

usort($files, function($x, $y)
{
    return filemtime($x) < filemtime($y);
});

foreach($files as $item)
{
    echo basename($item) . " => Last Modified On " . @date('F d, Y, H:i:s', filemtime($item)) .
    "<br/>";
}
?>
</body>
</html>
```

OUTPUT

File List Sorted by Last Modification Time

```
Program 11.php => Last Modified On May 07, 2022, 13:13:49
Program 5.php => Last Modified On May 07, 2022, 09:06:10
Program 4.php => Last Modified On May 07, 2022, 08:56:44
Program 3.php => Last Modified On May 07, 2022, 08:43:33
Program 2.php => Last Modified On May 07, 2022, 08:17:30
Program 1.php => Last Modified On May 07, 2022, 08:13:07
```


PROGRAM 13

XML CODING

```
<?xml version = "1.0"?>
<Email_Address>
  <Email Id="1">
    <Email_Addr>rajideekshithat@gmail.com</Email_Addr>
    <Name>R. Rajeswari</Name>
  </Email>

  <Email Id="2">
    <Email_Addr>pranesh@gmail.com</Email_Addr>
    <Name>G. Pranesh</Name>
  </Email>

  <Email Id="3">
    <Email_Addr>pavithra@gmail.com</Email_Addr>
    <Name>RK. Pavithra</Name>
  </Email>

  <Email Id="4">
    <Email_Addr>ssaranya1206189@gmail.com</Email_Addr>
    <Name>Saranya Senthil</Name>
  </Email>

  <Email Id="5">
    <Email_Addr>dharshini@gmail.com</Email_Addr>
    <Name>Dharshini Malathy. K</Name>
  </Email>
</Email_Address>
```

PHP PROGRAM

```
<html>
<body>
<h4>Email Addresses</h4>

<?php
$xml = simplexml_load_file('email.xml') or die ("Unable to load XML!");
foreach ($xml->Email as $Email)
{
    echo $Email->Email_Addr . "<br>";
}
?>

</body>
</html>
```

OUTPUT

Email Addresses

rajideekshithat@gmail.com
pranesh@gmail.com
pavithra@gmail.com
ssaranya1206189@gmail.com
dharshini@gmail.com

PROGRAM 14

XML CODING

```
<?xml version='1.0'?>
<tree>
  <person type="grandpa" />
  <person type="grandma" />
  <children>
    <person type="papa" />
    <person type="mama" />
    <children>
      <person type="brother">
        <name>John</name>
      </person>
      <person type="sister">
        <name>Jane</name>
      </person>
    </children>
  </children>
</tree>
```

PHP PROGRAM

```
<html>
<body>
<h3>Methods to retrieve the text value 'John' from a XML document using the DOM:</h3>

<?php
$doc = new DOMDocument();
$doc->preserveWhiteSpace = false;
$doc->load('tree.xml');

echo $doc->firstChild->childNodes->item(2)->childNodes->item(2)->childNodes->item(0)-
>childNodes->item(0)->childNodes->item(0)->nodeValue;
echo "<br><br>";

echo $doc->getElementsByTagName('name')->item(0)->nodeValue;
echo "<br><br>";
```

```
echo $doc->getElementsByTagName('person')->item(4)->childNodes->item(0)->nodeValue;  
echo "<br><br>";
```

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

OUTPUT

Methods to retrieve the text value 'John' from a XML document using the DOM:

John

John

John

```
▼<tree>  
  <person type="grandpa"/>  
  <person type="grandma"/>  
  ▼<children>  
    <person type="papa"/>  
    <person type="mama"/>  
    ▼<children>  
      ▼<person type="brother">  
        <name>John</name>  
      </person>  
      ▼<person type="sister">  
        <name>Jane</name>  
      </person>  
    </children>  
  </children>  
</tree>
```