PHP

ASSIGNMENT 2

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ASSIGNMENT 2
SET-A

Q.1 Write a PHP script to check wheather a year is Leap or not.

Ans :

HTML Source Code :
```
<html>
<body>
<center><h1>PHP PROGRAM TO FIND YEAR IS LEAP OR NOT<h1></center>
<fieldset><legend>PHP PROGRAM</legend>
<form action="year.php" method=POST>
<label>Enter the Year :</label><br>
<input type="text" name="value1" placeholder="Year"><br>
<input type="submit" value="Submit"
name="submit">          
       
</form>
<body>
<html>
```
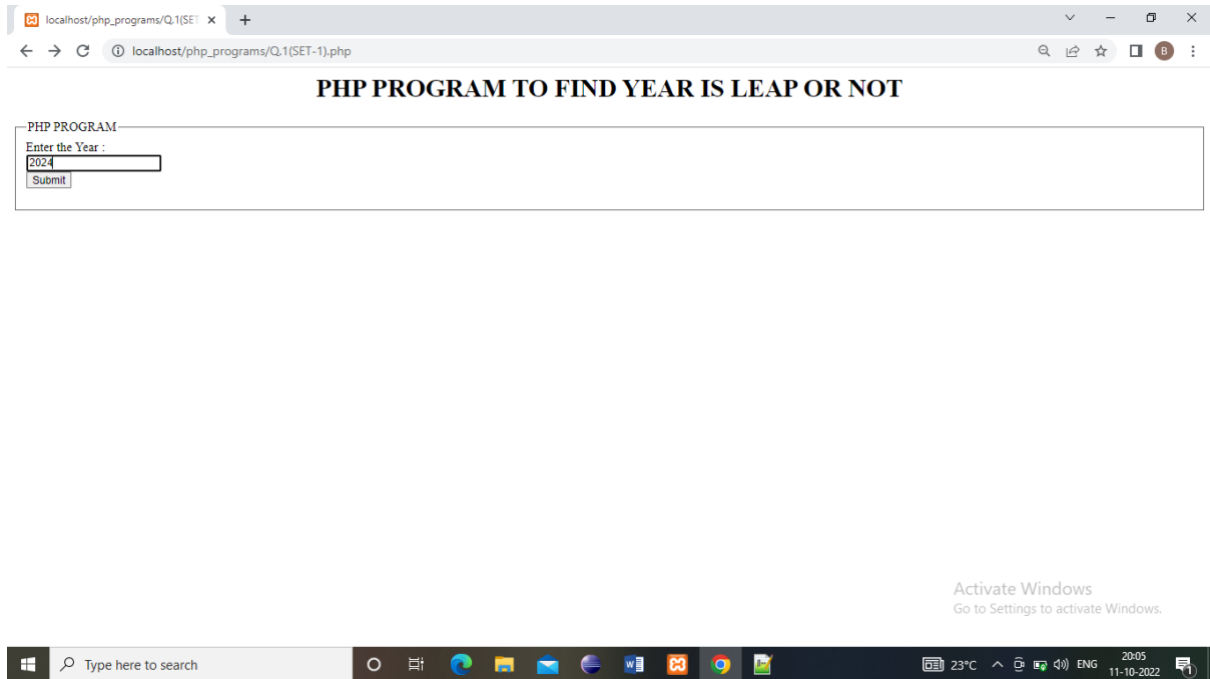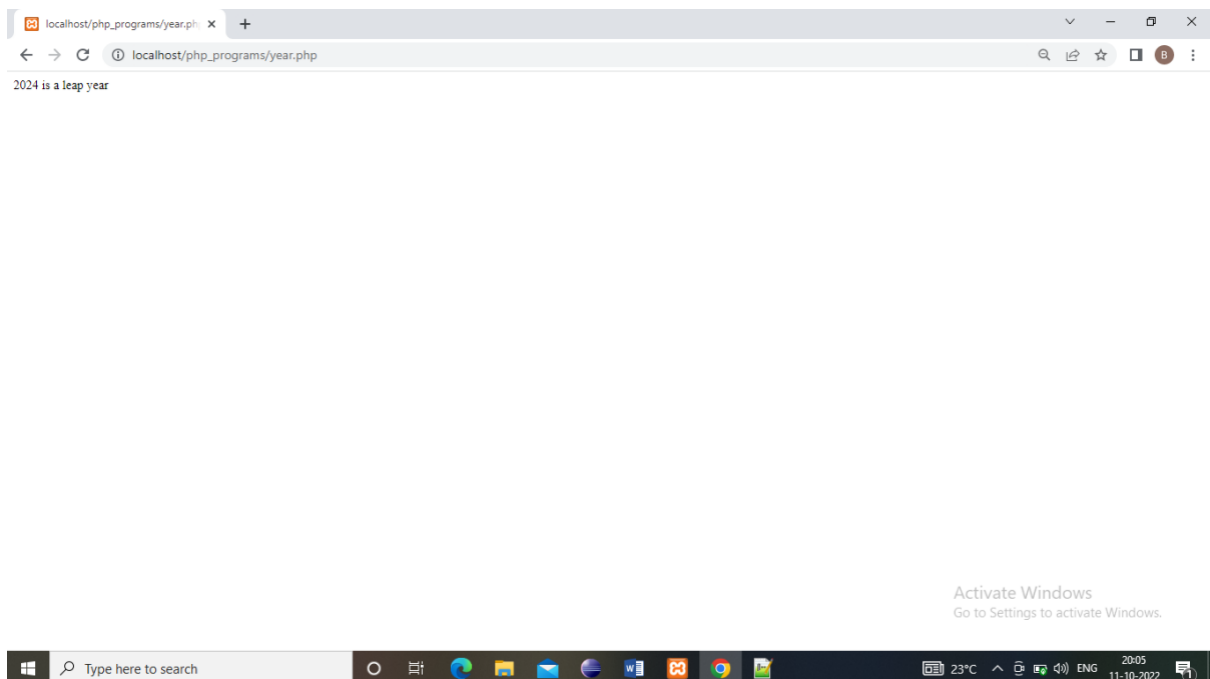
PHP Source Code : (year.php)
```
<?php
$year=$_POST['value1'];
if($year%400 == 0)
{
echo "$year is a leap year" ;
}
else if ($year%100 == 0)
{
echo " $year is not a leap year " ;
}
else if ($year%4 == 0)
{
echo " $year is a leap year " ;
}
else
{
echo " $year is not a leap year " ;
}
?>
```

Output :

OUTPUT 1

PHP PROGRAM TO FIND YEAR IS LEAP OR NOT

PHP PROGRAM

Enter the Year :
2024
Submit

OUTPUT 2

2024 is a leap year

ASSIGNMENT 2
SET-A

Q.2 Write a PHP script which will perform Addition, Subtraction, Multiplication, and Division of two numbers as per the choice. (Use Switch Case)
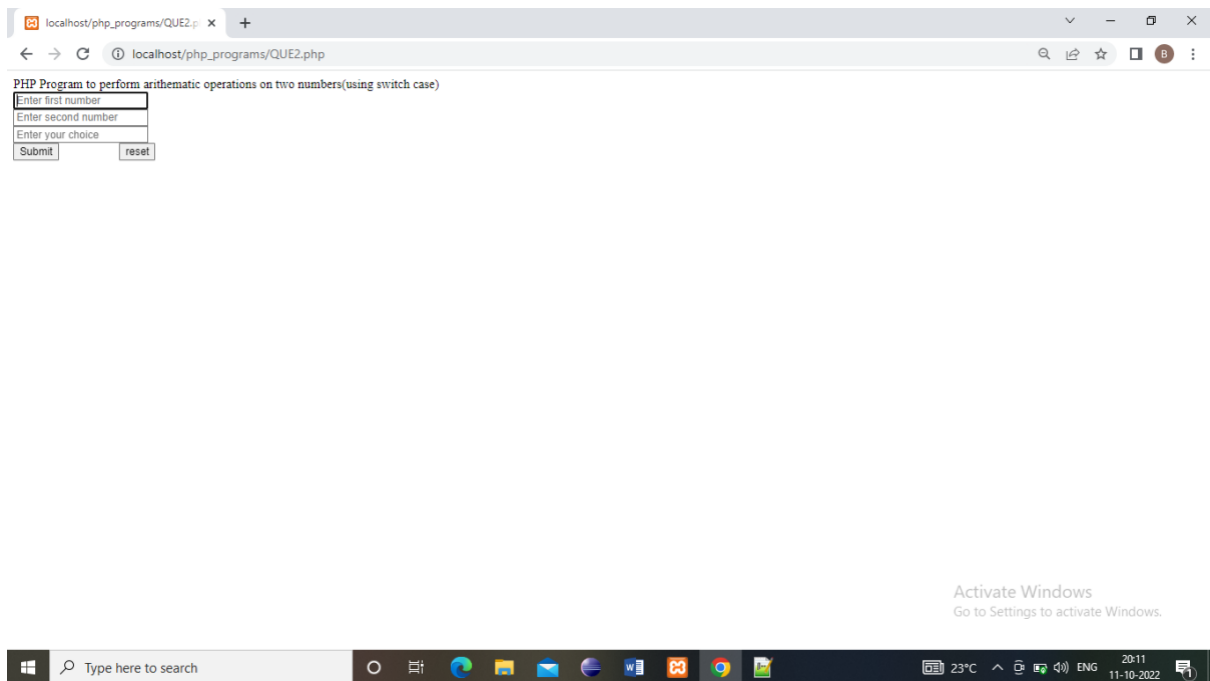
Ans :

HTML Source Code :
```html
<html>
<head>
PHP Program to perform arithematic operations on two numbers(using switch case)</head>
<body>
<form action="choice.php" method=POST>

<input type="text" name="num1" value="" placeholder="Enter first number"/><br>
<input type="text" name="num2" value="" placeholder="Enter second number"/><br>
<input type="text" name="option" value="" placeholder="Enter your choice"/><br>
<input type="submit" name="submit"
value="Submit"/>                  
<input type="reset" name="reset" value="reset"/>
</form>
</body>
</html>
```
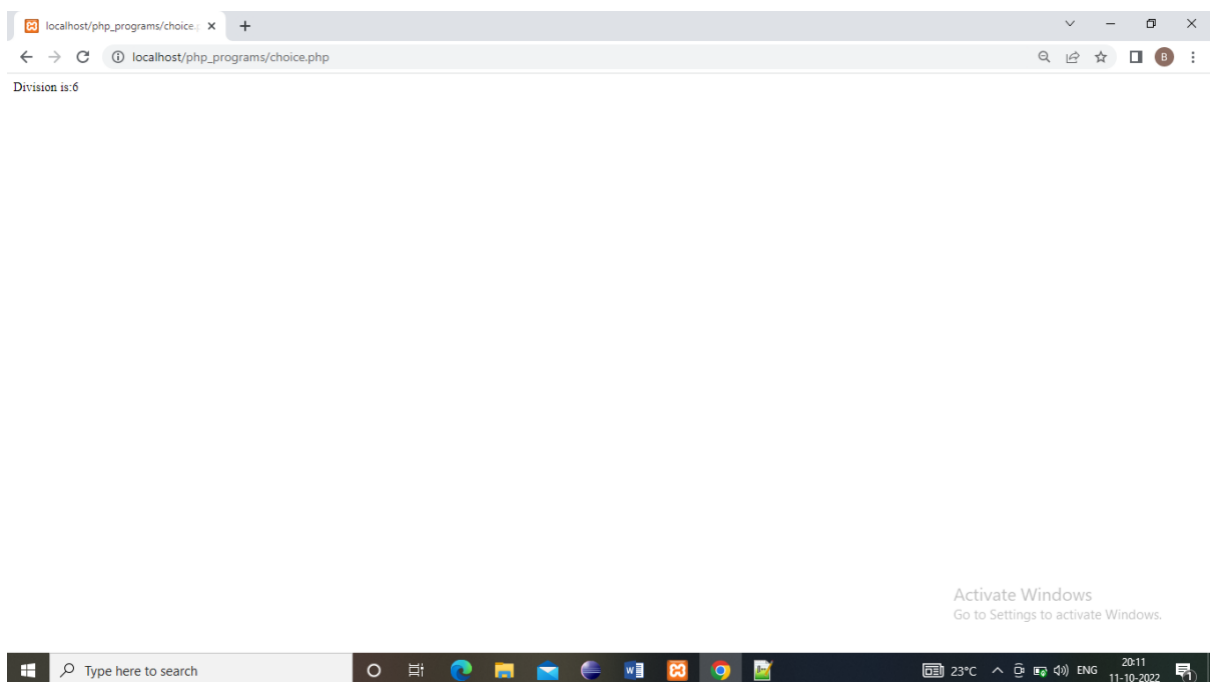
PHP Source Code :
```php
<?php
$n1=$_POST['num1'];
$n2=$_POST['num2'];
$ch=$_POST['option'];
switch($ch)
{
  case 1: $r=$n1+$n2;
        echo"Adiition is:".$r;
                        break;
  case 2: $r=$n1-$n2;
        echo"Subtraction is:".$r;
                        break;
  case 3: $r=$n1*$n2;
        echo"Multiplication is:".$r;
                        break;
  case 4: $r=$n1/$n2;
        echo"Division is:".$r;
                        break;
  default: echo"Invalid choice entered";
}
?>
```

Output :

OUTPUT 1

PHP Program to perform arithematic operations on two numbers(using switch case)

Enter first number

Enter second number

Enter your choice

Submit   reset

OUTPUT 2

localhost/php_programs/choice.php

Division is:6

ASSIGNMENT 2
SET-A

Q.3 Write a PHP script to display the grade of a student according to the percentage. Use the following conditions: Percentage <=40

Ans :
```php
<?php
$marks=88;
echo"Marks are :".$marks;
echo"<br>";
switch($marks)
{
  case ($marks<40):
          echo"Fail";
                      break;
  case ($marks>=40 && $marks<=50):
                  echo"Pass Class";
                              break;
  case ($marks>=50 && $marks<=60):
                  echo"Higher Class";
                              break;
  case ($marks>=60 && $marks<=70):
                  echo"First Class";
                              break;
  case ($marks>70):
                      echo"First Class with Distinction";
                              break;
  default: echo"Invalid marks entered";
}
?>
```

Output :

Marks are :88
First Class with Distinction

ASSIGNMENT 2
SET-B
Q.1 Write a PHP script to display Prime numbers between 1 to 50.

Ans :

```php
<?php
echo"prime numbers form 1 to 50 are :";
echo"<br>";
for($number=1;$number<=100;$number++)
{
        $count=0;
        for($i=02;$i<=$number/2;$i++)
        {
                if($number%$i==0)
                {
                        $count++;
                        break;
                }
        }
   if($count==0 && $number!=1)
   {
        echo $number." ,";
   }
}

?>
```

Output :

localhost/php_programs/SET-B.C ×   +

← → C   ⓘ localhost/php_programs/SET-B.Q.1.php

prime numbers form 1 to 50 are :
2 ,3 ,5 ,7 ,11 ,13 ,17 ,19 ,23 ,29 ,31 ,37 ,41 ,43 ,47 ,53 ,59 ,61 ,67 ,71 ,73 ,79 ,83 ,89 ,97 ,

Activate Windows
Go to Settings to activate Windows.

Type here to search

14:45
13-10-2022

ASSIGNMENT 2
SET-B

Q.2 Write a PHP script to display Perfect numbers between 1 to 100.

Ans :
```php
<?php
$number=1;
$sum=0;
$p;
echo"perfect numbers between 1 to 100 are :<br>";
for($i=1;$i<=100;$i++)
{
  $p=1;
  while($p<=($i/2))
  {
    if($i % $p==0)
        $sum=$sum+$p;
        $p++;
  }
  if($sum==$i)
  echo $i." ";
  $sum=0;

}
?>
```

Output :

localhost/php_programs/Que.2.p ×   +

← → C ⓘ localhost/php_programs/Que.2.php

perfect numbers between 1 to 100 are :
6 28

Type here to search

14:47
13-10-2022

ASSIGNMENT 2
SET-B

Q.3 Write a PHP script to displayreverse of a number.
E.g. 607=>706

Ans :
```php
<?php
$number=243;
echo"Given number is :".$number;
$reverse=0;
while($number>1)
{
  $rem=$number%10;
  $reverse=($reverse*10)+$rem;
  $number=($number/10);
}
echo"<br>";
echo"Reverse of a given number is :".$reverse;
?>
```

Output :

localhost/php_programs/Que.3.p ×   +

← → C   ⓘ localhost/php_programs/Que.3.php

Given number is :243
Reverse of a given number is :342

Activate Windows
Go to Settings to activate Windows.

Type here to search

Rain...   ENG   14:53 13-10-2022

ASSIGNMENT 2
SET-B

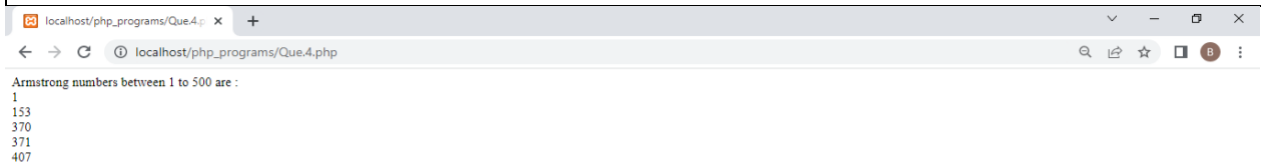| Q.4 Write a PHP script to display Armstrong number between 1 to 500. |
|---|

Ans :

```php
<?php
$count=1;
echo"Armstrong numbers between 1 to 500 are :<br>";
while($count<=500)
{
  $num=$count;
  $sum=0;
  while($num)
  {
    $rem=$num%10;
        $sum=$sum+($rem*$rem*$rem);
        $num=$num/10;
  }
  if($count==$sum)
  {
    echo $count."<br>";
  }
  $count++;
}
?>
```
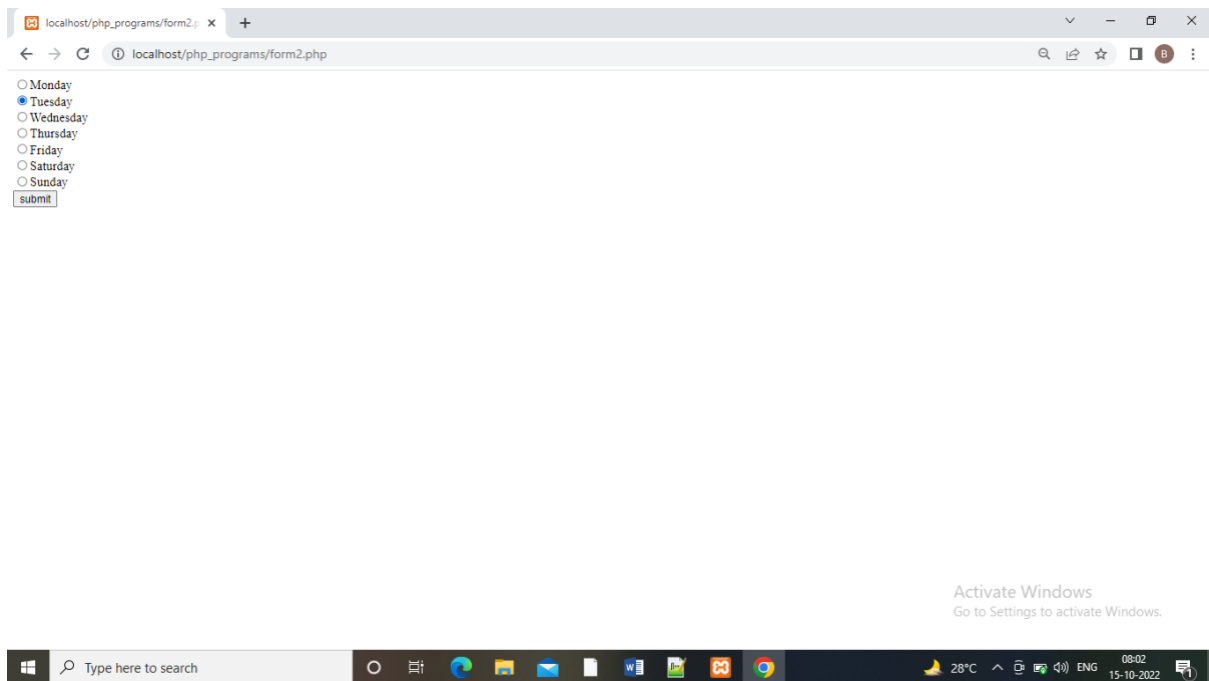
Output :

localhost/php_programs/Que.4.php

Armstrong numbers between 1 to 500 are :
1
153
370
371
407

Type here to search

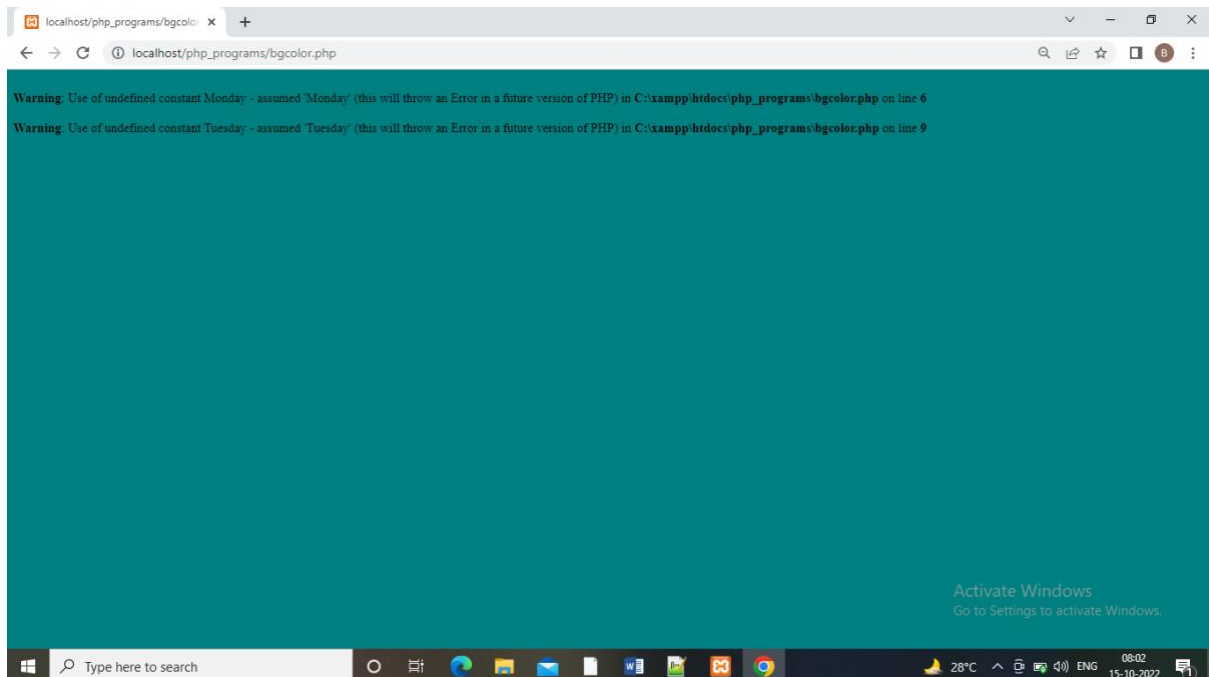Rain... ENG 14:55 13-10-2022

ASSIGNMENT 2
SET-C
Q.1 Write a PHP script to display to display the number in words. (Use Switch Case) e.g 345-three four five
<u>Ans :</u> Source code will be delivered soon…
Output :

ASSIGNMENT 2
SET-C

Q.2 Write a PHP script to change the background color of the browser using a switch statement according to the day of the week.

Ans :
HTML FORM SOURCE CODE :

```html
<html>
<form method="POST" action="bgcolor.php">
<input type="radio" name="monday" value="Monday">Monday<br>
<input type="radio" name="monday" value="Tuesday">Tuesday<br>
<input type="radio" name="monday" value="Wednesday">Wednesday<br>
<input type="radio" name="monday" value="Thursday">Thursday<br>
<input type="radio" name="monday" value="Friday">Friday<br>
<input type="radio" name="monday" value="Saturday">Saturday<br>
<input type="radio" name="monday" value="Sunday">Sunday<br>
<input type="submit" name="submit" value="submit">
</form>
</html>
```

PHP SOURCE CODE :

```php
<?php
$option=$_POST['monday'];

switch($option)
{
case Monday: echo"<body bgcolor=#800000>";
       break;

case Tuesday: echo"<body bgcolor=#008080>";
       break;

case Wednesday: echo"<body bgcolor=#800000>";
       break;

case Thursday: echo"<body bgcolor=#e2725b>";
       break;

case Friday: echo"<body bgcolor=#ff4422>";
       break;

case Saturday: echo"<body bgcolor=#ffcc33>";
       break;

case Sunday: echo"<body bgcolor=#ff00c2>";
       break;
}
?>
```

Output :

OUTPUT 1

OUTPUT 2

[Note : Here an warning has popped up which is nothing but conveying us to declare the constant which is not an problem, to avoid it use declared constants in php code.]

ASSIGNMENT 2
SET-C

Q.3 Write a PHP script to count the total number of even and odd numbers between 1 to 1000.

Ans :
``php
<?php
$num=1;
$odd_count=0;
$even_count=0;
 	
for($i=1;$i<=100;$i++)
{
        if($i%2==1)
                $odd_count++;
        else
                $even_count++;
}
echo"odd number count=".$odd_count;
echo"
";
echo"even number count=".$even_count;
?>
``

Output :

localhost/php_programs/QUESTI ×   +

← → C   ⓘ localhost/php_programs/QUESTION3.php

odd number count=50
even number count=50