**Experiment No.: 1**

**Aim:**

The area and perimeter of a circle. Area=Pi\*r^2 , Perimeter=2\*pi\*r

**CO3:**

Design front end web page and connect to backend database.

**Procedure:**

<?php

$area=0;

$perimeter=0;

$pi=3.14;

if(isset($\_POST["b1"]))

{

$radius=$\_POST["radius1"];

$area=$pi\*$radius\*$radius;

$perimeter=2\*$pi\*$radius;

}

?>

<html>

<head>

<title>area and perimeter of a circle</title>

</head>

<body>

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

<table>

<tr><td>Please enter the radius : </td><td><input type="text" name="radius1"></td></tr>

<tr><td></td><td><input type="submit" name="b1" value="calculate"></td></tr>

<tr>

<td>area of circle

</td><td><input type="text" value="<?php echo $area ?>"></td>

</tr>

<tr>

<td>Perimeter of circle

</td><td><input type="text" value="<?php echo $perimeter ?>"></td>

</tr>

</table>

</body>

</html>

**Output Screenshot:**

**Result**

The program was executed and the result was successfully obtained. Thus CO3was obtained.

**Experiment No.: 2**

**Aim:**

The area and perimeter of a rectangle. Area=l\*b, Perimeter=2\*(l+b)

**CO3:**

Design front end web page and connect to backend database.

**Procedure:**

<?php

$area=0;

$perimeter=0;

if(isset($\_POST["b1"]))

{

$length=$\_POST["len"];

$breadth=$\_POST["bre"];

$area=$length\*$breadth;

$perimeter=2\*$length+$breadth;

}

?>

<html>

<head>

<title>area and perimeter of a rectangle</title>

</head>

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

<body>

<table>

<tr><td>Please enter the length : </td><td><input type="text" name="len"</td></tr>

<tr><td>Please enter the breadth : </td><td><input type="text" name="bre"</td></tr>

<tr><td></td><td><input type="submit" name="b1" value="calculate"</td></tr>

<tr><td>Area of the rectangle is</td><td><input type="text" value="<?php echo $area ?>"></td></tr>

<tr><td>Perimeter of the rectangle is</td><td><input type="text" value="<?php echo $perimeter ?>"></td></tr>

</table>

</body>

</html>

**Output Screenshot:**

**Result**

The program was executed and the result was successfully obtained. Thus CO3 was obtained

**Experiment No.: 3**

**Aim:**

Interchange the value with 3rd variable.

**CO3:**

Design front end web page and connect to backend database.

**Procedure:**

<?php

$third=0;

$a=0;

$b=0;

if(isset($\_POST["swap"]))

{

$a=$\_POST["var1"];

$b=$\_POST["var2"];

$third=$a;

$a=$b;

$b=$third;

echo $a;

echo $b;

}

?>

<html>

<body>

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

<table>

<tr><td>Please enter the first variable<td><td><input type="text" name="var1" value="<?php echo $a?>"></td></tr>

<tr><td>Please enter the second variable<td><td><input type="text" name="var2" value="<?php echo $b?>"></td></tr>

<tr><td><input type="submit" name="swap" value="swap"</td></tr>

</table>

</body>

</html>

**Output Screenshot:**

**Result**

The program was executed and the result was successfully obtained. Thus CO3 was obtained

**Experiment No.: 4**

**Aim:**

Convert temperature from Fahrenheit to degree celcius. Celcius=(f-32)\*5/9

**CO3:**

Design front end web page and connect to backend database.

**Procedure:**

<?php

$fahrenheit=0;

$celcius=0;

if(isset($\_POST["button1"]))

{

$fahrenheit=$\_POST["fahren"];

$celcius=($fahrenheit-32)\*5/9;

}

?>

<html>

<body>

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

<table>

<tr><td>Temperature in fahrenheit<td><td><input type="text" name="fahren"></td></tr>

<tr><td>Temperature in celcius<td><td><input type="text" name="" value="<?php echo $celcius ?>"></td></tr>

<tr><td><input type="submit" name="button1" value="convert"</td></tr>

</table>

</body>

</html>

**Output Screenshot:**

**Result**

The program was executed and

the result was successfully obtained. Thus CO3 was obtained

**Experiment No.: 5**

**Aim:**

Greatest among 3 numbers.

**CO3:**

Design front end web page and connect to backend database.

**Procedure:**

<?php

$max=0;

if(isset($\_POST["swap"]))

{

$a=$\_POST["var1"];

$b=$\_POST["var2"];

$c=$\_POST["var3"];

$max=max($a,$b,$c);

echo $max;

}

?>

<html>

<body>

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

<table>

<tr><td>Please enter the first number<td><td><input type="text" name="var1"></td></tr>

<tr><td>Please enter the second number<td><td><input type="text" name="var2"></td></tr>

<tr><td>Please enter the third number<td><td><input type="text" name="var3"></td></tr>

<tr><td><input type="submit" name="swap" value="Find Largest"</td></tr>

<tr><td>Largest among three numbers<td><td><input type="text" value="<?php echo $max?>"></td></tr>

</table>

</body>

</html>

**Output Screenshot:**

**Result**

The program was executed and the result was successfully obtained. Thus CO3 was obtained.

**Experiment No.: 6**

**Aim:**

Calculate absolute value of number

**CO3:**

Design front end web page and connect to backend database.

**Procedure:**

<html>

<hr>

<head><h3 align="center">PHP Program to find the absolute of number</h3>

<hr>

<title>Qn 7</title>

</head>

<br>

<br>

<body>

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

<center>

<table>

<tr>

<td><input type="text" name="num1" value="" placeholder="Enter the number"/></td>

</tr>

<tr>

<td> <input type="submit" name="submit" value="Find out"/></td>

</tr>

</table>

</form>

<br>

<br>

<?php

if(isset($\_POST['submit']))

{

$n = $\_POST['num1'];

$a= abs($n);

echo "<b>" . "Absolute of Number : " .$a;

}

?>

</body>

</html>

**Output Screenshot:**

**Result**

The program was executed and the result was successfully obtained. Thus CO3 was obtained

**Experiment No.: 7**

**Aim:**

Evaluate value of Z where Z= (a^2+b^3)/24a.

**CO3:**

Design front end web page and connect to backend database.

**Procedure:**

<html>

<body>

<?php

if (isset($\_POST["submit"]))

{

$b=$\_POST["z"];

$c=$\_POST["z1"];

$Z=($b\*$b + $c\*$c)/(24\*$b);

echo "value of z is",$Z;

}

?>

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

<table>

<tr>

<td><label> enter value for a</label></td>

<td><input type="text" name="z"</td>

</tr>

<tr>

<td><label> enter the value for b</label></td>

<td><input type="text" name="z1"</td>

</tr>

<tr>

<td colspan="2"><input type="submit" name="submit"></td>

</tr>

<table>

</form>

</body>

</html>

**Output Screenshot:**

**Result**

The program was executed and the result was successfully obtained. Thus CO3 was obtained

**Experiment No.: 8**

**Aim:**

To check the year is leap year or not.

**CO3:**

Design front end web page and connect to backend database.

**Procedure:**

<html>

<body>

<?php

if (isset($\_POST["submit"]))

{

$year=$\_POST["year"];

if (($year % 400 == 0) or (($year % 4 == 0) and ($year % 100 != 0)))

echo $year,"is leap year";

else

echo $year,"is not leap year";

}

?>

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

<table>

<tr>

<td><label> enter year</label></td>

<td><input type="text" name="year"</td>

</tr>

<tr>

<td colspan="2"><input type="submit" name="submit"></td>

</tr>

<table>

</form>

</body>

</html>

**Output Screenshot:**

**Result**

The program was executed and the result was successfully obtained. Thus CO3 was obtained

**Experiment No.: 9**

**Aim:**

Find factorial of a number(while loop)

**CO3:**

Design front end web page and connect to backend database.

**Procedure:**

<html>

<body>

<?php

if (isset($\_POST["submit"]))

{

$fact=$\_POST["fact"];

$factorial = 1;

for ($i = 1; $i<= $fact; $i++){

$factorial = $factorial \* $i;

}

echo "the factorial is",$factorial;

}

?>

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

<table>

<tr>

<td><label> enter the number</label></td>

<td><input type="text" name="fact"</td>

</tr>

<tr>

<td colspan="2"><input type="submit" name="submit"></td>

</tr>

<table>

</form>

</body>

</html>

**Output Screenshot:**

**Result**

The program was executed and the result was successfully obtained. Thus CO3 was obtained

**Experiment No.: 10**

**Aim:**

To check the given number is amstrong or not

**CO3:**

Design front end web page and connect to backend database.

**Procedure:**

<html>

<body>

<?php

if (isset($\_POST["submit"]))

{

$num=$\_POST["am"];

$total=0;

$x=$num;

while($x!=0)

{

$rem=$x%10;

$total=$total+$rem\*$rem\*$rem;

$x=$x/10;

}

if($num==$total)

{

echo "Yes it is an Armstrong number";

}

else

{

echo "No it is not an armstrong number";

}

}

?>

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

<table>

<tr>

<td><label> enter the number</label></td>

<td><input type="text" name="am"</td>

</tr>

<tr>

<td colspan="2"><input type="submit" name="submit"></td>

</tr>

<table>

</form>

</body>

</html>

**Output Screenshot:**

**Result**

The program was executed and the result was successfully obtained. Thus CO3 was obtained

**Experiment No.: 11**

**Aim:**

To check the given number is prime or not

**CO3:**

Design front end web page and connect to backend database.

**Procedure:**

<html>

<body>

<?php

if (isset($\_POST["submit"]))

{

$b=$\_POST["am"];

$c=0;

for($i=2;$i<$b;$i++)

{

if($b%$i==0)

$c++;

}

if($c==0)

echo "$b is a prime number";

else

echo "$b not a prime number";

}

?>

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

<table>

<tr>

<td><label> enter the number</label></td>

<td><input type="text" name="am"</td>

</tr>

<tr>

<td colspan="2"><input type="submit" name="submit"></td>

</tr>

<table>

</form>

</body>

</html>

**Output Screenshot:**

**Result**

The program was executed and the result was successfully obtained. Thus CO3 was obtained

**Experiment No.: 12**

**Aim:**

To check the given number is palindrome or not

**CO3:**

Design front end web page and connect to backend database.

**Procedure:**

<html>

<body>

<?php

if (isset($\_POST["submit"]))

{

$b=$\_POST["pal"];

$rev=strrev($b);

if($rev==$b)

echo "palindrome";

else

echo "not palindrome";

}

?>

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

<table>

<tr>

<td><label> enter the number</label></td>

<td><input type="text" name="pal"</td>

</tr>

<tr>

<td colspan="2"><input type="submit" name="submit"></td>

</tr>

<table>

</form>

</body>

</html>

**Output Screenshot:**

**Result**

The program was executed and the result was successfully obtained. Thus CO3 was obtained

**Experiment No.: 13**

**Aim:**

To find reverse of a number(for loop)

**CO3:**

Design front end web page and connect to backend database.

**Procedure:**

<html>

<body>

<?php

if (isset($\_POST["submit"]))

{

$a=$\_POST["rev"];

$rev=strrev($a);

echo "reverse =", $rev;

}

?>

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

<table>

<tr>

<td><label> enter the number to reverse</label></td>

<td><input type="text" name="rev"</td>

</tr>

<tr>

<td colspan="2"><input type="submit" name="submit"></td>

</tr>

<table>

</form>

</body>

</html>

**Output Screenshot:**

**Result**

The program was executed and the result was successfully obtained. Thus CO3 was obtained

**Experiment No.: 14**

**Aim:**

To print the prime numbers up to n

**CO3:**

Design front end web page and connect to backend database.

**Procedure:**

<html>

<body>

<?php

if (isset($\_POST["submit"]))

{

define("a",1);

echo a."<br>";

$b=$\_POST["am"];

for($i=2;$i<=$b;$i++)

{

$count=0;

for($j=2;$j<$i;$j++)

{

if($i%$j==0)

{

$count=1;

}

}

if($count==0)

{

echo $i."<br>";

}

}

}

?>

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

<table>

<tr>

<td><label> enter the number</label></td>

<td><input type="text" name="am"</td>

</tr>

<tr>

<td colspan="2"><input type="submit" name="submit"></td>

</tr>

<table>

</form>

</body>

</html>

**Output Screenshot:**

**Result**

The program was executed and the result was successfully obtained. Thus CO3 was obtained