Lesson-3 Project Activity (PHP)

SOP 1 : **Write a PHP program to check if a person is eligible to vote or not. The program should include the following-**

 ➢ Minimum age required for vote is 18.
 ➢ Use PHP functions.
 ➢ Use Decision making statement.

*** Client side Script ***

```
<html>
<body>
<h1 align="center">Person Eligible to vote or not</h1>
<form action="age.php" method="GET" >
Enter Number: <input type="text" name="age1"><br><br>
<input type="submit" >
</form>
</body>
</html>
```

*** Server side Script ***

```php
<?php
function voting()
{
    $age=$_GET["age1"];
    if ($age>=18)
        echo "You are Eligible to vote";
    else
        echo "You are not Eligible to vote";
}

 voting();   // function call
?>
```

SOP 2 : Write a PHP function to count the total number of vowels (a,e,i,o,u) from the string. Accept a string by using HTML form.

*** Client side Script ***

```html
<html>
<body>
<h1 align="center">String functions</h1>
<form action="vowel.php" method="POST" >
Enter string: <input type="text" name="t1" ><br><br>
<input type="submit" >
</form>
</body>
</html>
```

*** Server side Script ***

```php
<?php
$v= $_POST["t1"];
$vowels=array('a', 'e', 'i', 'o', 'u');
$count=0;
for($i = 0; $i < strlen($v); $i++)
{
   if (in_array(strtolower($v[$i]),$vowels))
       $count++;
}
echo "Number of vowels in $v is:$count";
?>
```

SOP 3 : Write a PHP program to perform the following operations on an associative array.

➢ Display elements of an array along with their keys.
➢ Display the size of an array.
➢ Delete an element from an array from the given index.

*** Server side Script ***

```html
<html>
     <head><title> SOP4 PHP</title></head>
<body>
<?php
```

```php
$m1=array("English"=>"55","Hindi"=>"60","Math"=>"70","Marathi"=>"85");
echo "<br> your score is ",$m1['English']. "in English";
echo "<br> your score is ",$m1['Hindi']. "in Hindi";
echo "<br> your score is ",$m1['Math']. "in Math";
echo "<br> your score is ",$m1['Marathi']. "in Marathi";
echo "<br> size of array is ".count($m1);
array_splice($m1,0,1);
echo "<br><br><b>After deleting array is </br>";
foreach($m1 as $x=>$x_value)
{
echo "<br> <br>key=" .$x . ",value=" .$x_value;
echo"<br";
}
?>
</body>
</html>
```

SOP 4 : Write a PHP program to save marks of English, Hindi, Marathi, Maths and Information Technology in an array. Display marks of individual subject along with total marks and percentage.

*** Server side Script ***

```php
<html>
    <head><title> SOP4 PHP</title></head>
<body>
<?php
$a=array(75,88,91,79,83);
$t=0;
$x=0;
$c=count($a);
for($x=0,$<$c,$x++)
{
echo"<br><br>marks in subject.$a[$x]";
$t=$t+$a[$x];
}
$p=$t*100/500;
echo"<br><br>total is:.$t";
```

```
echo"<br><br>percentage is:.$p";
?>
</body>
</html>
```

Write a PHP program to save marks of English, Hindi, Marathi, Maths and information technology in an array for 5 students and display totals marks and percentage of each students using 'foreach'.

*** Server side Script ***

```
<html>
     <head><title> SOP5 PHP</title></head>
<body>
<?php
$a=array(55,68,68,80,75);
$t=0;
foreach($a as $value)
{
echo"<br><br>Marks in subject.$value";
$t=$t+$value;
}
$p=$t*100/500;
echo"<br><br>Total is: .$t";
echo"<br><br>Percentage is: .$p";
?>
</body> </html>
```

SOP 6 : **Write a program using PHP to calculate Electricity bill by accepting the limits.**

- ➢ For first 100 units - Rs. 4
- ➢ For next 100 units - Rs. 5
- ➢ For next all units - Rs. 6

*** Client side Script ***

```
<html>
<head><title> SOP6 PHP</title></head>
<body> <center>
<h1 align="center">To calculate electricity bill</h1>
<form action="bill.php" method="GET" >
```

```
enter Number
<input type="text" name="unit"><br><br>
<input type="submit" >
</center> </form>
</body> </html>
```

*** Server side Script ***

```php
<?php
$units=$_GET["unit"];
if($units < 100){
        $bill = $units*1;
    }
elseif($units > 100 && $units <=200){
        $temp = 100*1;
        $remaining_units = $units - 100;
        $bill = $temp + ($remaining_units *2);
    }
elseif($units > 200 && $units <=300){
        $temp = (100*1)+ (100*2);
        $remaining_units = $units - 200;
        $bill = $temp + ($remaining_units *3);
    }
else{
        $temp = (100*1)+ (100*2)+ (100*3)+250;
        $remaining_units = $units - 300;
        $bill = $temp + ($remaining_units *7);
    }
        $tot=$bill+250;
    echo"Total bill to be paid for Month of OCT". $tot;
?>
```