

### SLIP 1:

**Q1. Write a PHP script to get the PHP version and configuration information. [10 Marks]**

```
=>
<?php
phpinfo();
?>
```

**Q2. Design a HTML form to accept a string. Write a PHP script for the following. a) Write a function to count the total number of Vowels from the script. b) Show the occurrences of each Vowel from the script. [20 Marks]**

- Save as vowel.html

```
<html>
<body>
<form method="GET" action="vowel.php">
Enter the String : <input type="text" name="inputStr"><br>
<input type="submit" name="Submit">
</form>
</body>
</html>
```

Save as vowel.php

```
<?php
$string = $_GET['inputStr'];
$cnt=0;
$vowels = array("a"=>0,"e"=>0,"i"=>0,"o"=>0,"u"=>0);
for($i=0; $i<strlen($string); $i++)
{
if(strtolower($string[$i]) == 'a') {
++$cnt;
++$vowels['a'];
}
if(strtolower($string[$i]) == 'e') {
++$cnt;
++$vowels['e'];
}
if(strtolower($string[$i]) == 'i') {
++$cnt;
++$vowels['i'];
}
if(strtolower($string[$i]) == 'o') {
++$cnt;
++$vowels['o'];
}
if(strtolower($string[$i]) == 'u') {
++$cnt;
++$vowels['u'];
}
}
echo "<h1>Total number of vowels found : ".$cnt."<h1>";
echo "Occurence of 'a' : ".$vowels['a']."<br>";
```

```

echo "Occurrence of 'e' : ".$vowels['e']."<br>";
echo "Occurrence of 'i' : ".$vowels['i']."<br>";
echo "Occurrence of 'o' : ".$vowels['o']."<br>";
echo "Occurrence of 'u' : ".$vowels['u']."<br>";
?>

```

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### **SLIP 2:**

**Q1. Write a PHP script to display student information on web page. [10 Marks]**

=>save as stud.php

```

<html>
<h2>STUDENT INFORMATION</h2>
<body>
<form method="post">
<p>Enter Name</p>
<input type="text" name="name" />
<p>Enter Roll number</p>
<input type="text" name="number" />
<p>Enter Class</p>
<input type="text" name="class" />
<input type="submit" name="submit" />
</form>
<?php
class student
{
    public $name= 'ali';
    public $rno=77;
    public $class='sybca';
}
$a = new student();
if(isset($_POST['submit'])){
    $a->name=$_POST['name'];
    $a->rno=$_POST['number'];
    $a->class=$_POST['class'];
    echo "Name of student= $a->name</h3><br>";
    echo "Roll number of student= $a->rno</h3><br>";
    echo "Class of student= $a->class</h3><br>";
}
?>
</body>
</html>

```

**Q2. Write a PHP script for the following:**a) Design a form to accept two numbers from the users. b) Give option to choose an arithmetic operation (use Radio Button).c) Display the result on next form.d) Use concept of default parameter. [20 Marks]

□ Save as setb1.html

```

<html>
<body bgcolor=pink>
    <form action="setb1.php" method= "GET" >
        Enter first number : <input type=text name=a ><br>
        Enter second number: <input type=text name=b ><br>

```

```

<b>Operation:<br></b>
    <input type=radio name=c value=1>Addition.<br>
    <input type=radio name=c value=2>Subtraction.<br>
    <input type=radio name=c value=3>Multiplication.<br>
    <input type=radio name=c value=4>Division.<br>
    <input type=submit value=ok>   <input type=reset value=clear>
</form>
</body>

</html>

```

Save as setb1.php

```

<?php
$n1 = $_GET['a'];
$n2 = $_GET['b'];
$ch = $_GET['c'];

if($ch==1)
{
    $c = $n1 + $n2;
    echo"addition is: $c";
}
else if($ch==2)
{
    $c = $n1 - $n2;
    echo"subtraction is: $c";
}
else if($ch==3)
{
    $c = $n1 * $n2;
    echo"multiplication is: $c";
}
else if($ch==4)
{
    $c = $n1 / $n2;
    echo"Division is: $c";
}

?>

```

---

### SLIP 3

**Q1. Write a PHP script to script to display time table of your class( use HTML table tags in echo). [10Marks]**

```

□ <?php
$daysOfWeek = array('Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday', 'Sunday');
$periods = array('8:00-9:00', '9:00-10:00', '10:00-11:00', '11:00-12:00', '12:00-1:00', '2:00-3:00', '3:00-4:00');
$classSchedule = array(
    array('Maths', 'Science', 'English', 'History', 'Geography', 'Art', 'PE'),
);

```

```

echo "<table border='1'>";
echo "<tr><th></th>"; // Add an empty cell in the top-left corner
foreach ($daysOfWeek as $day) {
    echo "<th>$day</th>";
}
echo "</tr>";
foreach ($periods as $period) {
    echo "<tr><td>$period</td>";
    foreach ($daysOfWeek as $day) {
        echo "<td>";
        foreach ($classSchedule as $class => $subjects) {
            {
                echo $subjects[array_search($day, $daysOfWeek)] . "<br>";
            }
        }
        echo "</td>";
    }
    echo "</tr>";
}
echo "</table>";
?>

```

Write a PHP script to create a Class shape and its subclass triangle, square and display area of the selected shape.( use the concept of Inheritance) . Display menu (use radio button)

- a)Triangle
- b)Square
- c)Rectangle
- d)Circle

Ans:labbook solution assignment no 4 set A2

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#### SLIP 4:

**Q1. Write a PHP script to declare three variables and print maximum among them. [10 Marks]**

☐ Save as max.php

```

<?php
$num1=50;
$num2=70;
$num3=100;
if($num1>$num2 and $num1>$num3)
{
    echo "Max is $num1";
}
else if($num2>$num3)
{
    echo "Max is $num2";
}
else
{
    echo "Max is $num3";
}
?>

```

**Q2. Write a PHP script for the following: Design a form to accept two strings. Compare the two strings using both methods (== operator & strcmp function). Append second string to the first string. Accept the position from the user; from where the characters from the first string are reversed. (Use radio buttons) [20 Marks]**

=>Save as compare.html

```
<html>
<head><title></title></head>
<body bgcolor="skyblue" >
<form action="compare.php" method="post">

    Enter first string :<input type="text" name="str1"><br><br>

    Enter second string:<input type="text" name="str2"><br><br>

    Enter position:<input type="text" name="pos"><br><br>

    <input type="radio" name="ch" value=1>Compare using == operator.

    <input type="radio" name="ch" value=2>Compare with strcmp()

    <input type="radio" name="ch" value=3>Append.

    <input type="radio" name="ch" value=4>Reverse from position.<br><br>

    <input type="submit" value="Check"> <input type="reset" value="Reset">

</form>
</body>

</html>
```

Save as compare.php

```
<?php
    $str1=$_POST['str1'];
    $str2=$_POST['str2'];
    $pos=$_POST['pos'];
    $ch=$_POST['ch'];
    echo"First string : $str1.<br><br>";

    echo "Second string:$str2.<br><br>";

    echo"Position for reverse:$pos.<br><br>";

    switch($ch)
    {
    case 1:
        if($str1==$str2)
            echo"Both string are equal.<br>";
        else
            echo"Both string are not equal.<br>";
        break;
    case 2:
        if(strcmp($str1,$str2))
            echo"Both are exact equal.<br>";
        else
            echo"Both are not equal.<br>";
        break;
    case 3:
```

```

        echo "After appending::";
        echo "$str1"."$str2";
        echo "<br>";
    break;
case 4: $len=strlen($str1)-$pos;
        $s=substr($str1,$pos,$len);
        $str4=strrev($s);
        echo "After reverse::$str4.<br>";
    break;
}

```

?>

---

### **Slip 5:**

**Q1. Write a PHP script to check number 153 is Armstrong or not. [10 Marks]**

```
<?php
```

```

$n=153;
$sum=0;
$i=$n;

while($i!=0)
{
    $x=$i%10;
    $sum=$sum+$x*$x*$x;
    $i=$i/10;
}

if($n==$sum)
{
    echo "$n is an Armstrong Number.";
}

else
{
    echo "$n is not an Armstrong Number.";
}
?>

```

**Q2. Write PHP script to demonstrate the concept of introspection for examining object.**

```

<?php
class intro
{
    var $i;
    function f1() {}
    function f2() {}
}
class intro_1 extends intro
{
    var $j,$k;
    function f3() {}
    function f4() {}
}
$obj=new intro_1();
if(is_object($obj)) //returns boolean value true if an object ob is created
{

```

```

echo get_class($ob); //returns class name of given object
}
if(method_exists($ob,'f4')) //returns tru if the method f4 exists for the object ob
{
echo "method f4 exists";
}
var_dump(get_object_vars($ob)); //retuns an array of parameter / variables for given object
?>

```

---

### Slip 6:

**Q1. Write a PHP script to check whether accepted number is prime or not. [10 Marks]**

```

<!DOCTYPE html>
<html>
<body>
<?php
$num = 16;
$count=0;
for ( $i=1; $i<=$num; $i++)
{
if (($num%$i)==0)
{
$count++;
}
}
if ($count<3)
{
echo "$num is a prime number.";
}
else
{
echo "$num is not a prime number.";
}
?>
</body>
</html>

```

**Q2. Write a menu driven program the following operation on an associative array**

- a) Reverse the order of each element's key-value pair. [Hint: array\_flip()]
- b) Traverse the element in an array in random order. [Hint: shuffle()] [20 Marks]

=>Save as array.html

```

<html>
<body>
<form action="array.php" method="get">
<h2>Enter your choice:</h2>
<h3><input type="radio" name="op" value="1">Reverse the order of each element's key-value pair</h3>
<h3><input type="radio" name="op" value="2">Traverse the elements in array in random order</h3>
<input type="submit" value="Submit"> <input type="reset" value="Reset">
</form>
</body>
</html>

```

Save as array.php

```

<?php
    $op = $_GET['op'];
    $input = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");
    switch($op)

```

```

        {
            case 1 : $flipped = array_flip($input);
                    print_r($flipped);
                    break;
            case 2 : shuffle($input);
                    print_r($input);
                    break;
        }
    ?>

```

---

### **SLIP 7:**

**Q1. Design a HTML form to accept a string. Write a php function to reverse a string.**  
**[10 Marks]**

☐ **Save as reverse.html**

```

<html>
<head><title></title></head>
<body bgcolor="pink" >
<form action="reverse.php" method="post">
<pre>

```

Enter first string ::<input type="text" name="str1">

<input type="radio" name="ch" value=1>Reverse a string.

```

    <input type="submit" value="check">    <input type="reset" value="cancel">
</pre>
</form>
</body>
</html>

```

**Save as reverse.php**

```

<?php
    $str1=$_POST['str1'];
    $ch=$_POST['ch'];
    echo"Given string :: $str1.<br><br>";

    switch($ch)
    {
        case 1:
            echo "Reverse string of $str1 is " .strrev ( $str1 );
            echo"<br>";
            break;
    }
}

?>

```

**Q2. Declare array. Reverse the order of elements, making the first element last and last element first and similarly rearranging other array elements.[Hint : array\_reverse()]**

**[20 Marks]**

```

=><?php
$arr = array(1, 2, 3, 4, 5);
echo "Original array:";
print_r($arr);

```



```

echo"<br>";
$arr = array_reverse($arr);
echo "Reversed array:";
print_r($arr);
?>

```

---

### **SLIP 8:**

**Q1. Design a HTML form to accept a string. Write a PHP function that checks whether a passed string is a palindrome or not? [10 Marks]**

□ **Save as palindrome.html**

```

<html>
<body>
<h2> Check Given String Is Palindrom Or Not</h2>
<form action="palindrome.php" method="post">
<h3>Enter String : <input type="text" name="str"><br> </h3>
<input type="submit" value="submit"> <input type="reset" value="Reset">
</form>
</body>
</html>

```

Save as palindrome.php

```

<?php
                                $str1=$_POST['str'];

    $str2 = strrev($str1);
    if(strcmp($str1,$str2) === 0)
        echo "<b>$str1 is palindrome<b>";
    else
        echo "<b>$str1 is not palindrom </b>";

?>

```

**Q2. Declare a Multidimensional Array. Display specific element from a Multidimensional array. Also delete given element from the Multidimensional array.(After each operation display array content.) [20 Marks]**

=> **Save as multi.php**

```

<html>
<body bgcolor="white">
<?php
    $stud=array('0'=>array('name'=> 'deepak' , 'age'=>20, 'addr'=>'girim'),
                '1'=>array('name'=> 'shankar' , 'age'=>21, 'addr'=>'khor'),
                '2'=>array('name'=> 'ganesh' , 'age'=>19, 'addr'=>'shirur'),
                '3'=>array('name'=> 'radhu' , 'age'=>21, 'addr'=>'khor'));
    print_r($stud);
    echo "<br>";
    echo "<br> Element for delete is:";
    echo "<br>stud[1]['age']<br>";
    echo $stud[1]['age'];
    echo "<br><br>";
    unset($stud[1]['age']);
    print_r($stud);
    ?>
</body>
</html>

```

---

**SLIP 9:**

**Q1. Write a PHP script to print following floyd's triangle.**

```
1
2      3
4      5 6
7      8 9 10
```

**[10 Marks]**

```
☐ <?php
function FloydTriangle($n){
    $value = 1;
    for($i = 1; $i <= $n; $i++) {
        for($j = 1; $j <= $i; $j++) {
            echo $value." ";
            $value++;
        }
        echo "<br>";
    }
}
```

```
FloydTriangle(4);
?>
```

**Q2. Write a menu driven program to perform the following stack related operations.**

**a) Insert an element in stack.**

**b) Delete an element from stack.[Hint: array\_push(), array\_pop()] [20 Marks]**

**=> Save as stack.html**

```
<html>
<body bgcolor=skyblue>
<form action="stack.php" method="post">
Enter choice :
<br><input type="radio" name="ch" value=1> Insert element in stack <br>
<input type="radio" name="ch" value=2> Delete element from stack <br>
<br>
<input type="submit" value="submit"> <input type="reset" value="reset">
</body>
</html>
```

**Save as stack.php**

```
<html>
<body bgcolor="gold">
<?php
$choice=$_POST['ch'];
{
    $arr=array(1,2,3,4,5,6,7,8,9,10);
    switch($choice)
    {
        case 1:
            array_push($arr,11);
            print_r($arr);
            break;
        case 2:
            $ele=array_pop($arr);
            echo "Poped element : $ele.<br>";
            print_r($arr);
            break;
    }
}
}?></body></html>
```

**SLIP 10:**

**Q1. Write a PHP script to display source code of a webpage. [10 Marks]**

```
=><?php
$all_lines = file('https://www.google.com/');
foreach ($all_lines as $line_num => $line)
{
    echo "Line No.-{$line_num}: " . htmlspecialchars($line) . "\n";
}
?>
```

**Q2. Write a menu driven program to perform the following queue related operations**

- a) **Insert an element in queue**
- b) **Delete an element from queue**
- c) **Display the contents of queue [20 Marks]**

=>**Save as qu.html**

```
<html>
<body bgcolor=skyblue>
<form action="qu.php" method="post">
Enter choice :
<br>
<input type="radio" name="ch" value=1> Insert element in queue<br>
<input type="radio" name="ch" value=2> Delete element from queue <br>
<input type="radio" name="ch" value=3> Display content of queue <br>
<br>
<input type="submit" value="submit"> <input type="reset" value="reset">
</body>
</html>
```

**Save as qu.php**

```
<html>
<body bgcolor="gold">
<?php
$choice=$_POST['ch'];
{
    $arr=array(1,2,3,4,5,6,7,8,9,10);
    switch($choice)
    {
        case 1:
            array_unshift($arr,11);
            print_r($arr);
            break;
        case 2:
            $ele=array_shift($arr);
            echo "Deleted element : $ele.<br>";
            print_r($arr);
            break;
        case 3:
            print_r($arr);
            break;
    }
}
?>
</body>
</html>
```

---

### Slip 13:

Write a PHP script to script to display time table of your class( use HTML table tags in echo).

```
<html>

<body>
  <h1>TIME TABLE</h1>
  <table border="5" cellspacing="0" align="center">
    <!--<caption>Timetable</caption>-->
    <tr>
      <td align="center" height="50"
        width="100"><br>
        <b>Day/Period</b></td>
      <td align="center" height="50"
        width="100">
        <b>I<br>9:30-10:20</b>
      </td>
      <td align="center" height="50"
        width="100">
        <b>II<br>10:20-11:10</b>
      </td>
      <td align="center" height="50"
        width="100">
        <b>III<br>11:10-12:00</b>
      </td>
      <td align="center" height="50"
        width="100">
        <b>12:00-12:40</b>
      </td>
      <td align="center" height="50"
        width="100">
        <b>IV<br>12:40-1:30</b>
      </td>
      <td align="center" height="50"
        width="100">
        <b>V<br>1:30-2:20</b>
      </td>
      <td align="center" height="50"
        width="100">
        <b>VI<br>2:20-3:10</b>
      </td>
      <td align="center" height="50"
        width="100">
        <b>VII<br>3:10-4:00</b>
      </td>
    </tr>
    <tr>
      <td align="center" height="50">
        <b>Monday</b></td>
      <td align="center" height="50">Eng</td>
      <td align="center" height="50">Mat</td>
      <td align="center" height="50">Che</td>
      <td rowspan="6" align="center" height="50">
        <h2>L<br>U<br>N<br>C<br>H</h2>
      </td>
    </tr>
```

```

</td>
<td colspan="3" align="center"
    height="50">LAB</td>
<td align="center" height="50">Phy</td>
</tr>
<tr>
<td align="center" height="50">
    <b>Tuesday</b>
</td>
<td colspan="3" align="center"
    height="50">LAB
</td>
<td align="center" height="50">Eng</td>
<td align="center" height="50">Che</td>
<td align="center" height="50">Mat</td>
<td align="center" height="50">SPORTS</td>
</tr>
<tr>
<td align="center" height="50">
    <b>Wednesday</b>
</td>
<td align="center" height="50">Mat</td>
<td align="center" height="50">phy</td>
<td align="center" height="50">Eng</td>
<td align="center" height="50">Che</td>
<td colspan="3" align="center"
    height="50">LIBRARY
</td>
</tr>
<tr>
<td align="center" height="50">
    <b>Thursday</b>
</td>
<td align="center" height="50">Phy</td>
<td align="center" height="50">Eng</td>
<td align="center" height="50">Che</td>
<td colspan="3" align="center"
    height="50">LAB
</td>
<td align="center" height="50">Mat</td>
</tr>
<tr>
<td align="center" height="50">
    <b>Friday</b>
</td>
<td colspan="3" align="center"
    height="50">LAB
</td>
<td align="center" height="50">Mat</td>
<td align="center" height="50">Che</td>
<td align="center" height="50">Eng</td>
<td align="center" height="50">Phy</td>
</tr>
<tr>
<td align="center" height="50">
    <b>Saturday</b>
</td>

```

```

        <td align="center" height="50">Eng</td>
        <td align="center" height="50">Che</td>
        <td align="center" height="50">Mat</td>
        <td colspan="3" align="center"
            height="50">SEMINAR
        </td>
        <td align="center" height="50">SPORTS</td>
    </tr>
</table>
</body>

</html>

```

**Q2. Write a PHP script for the following: Design a form to accept the details of 5 different items, such as item code, item name, units sold, rate. Display the bill in the tabular format. Use only 4 text boxes. (Hint : Use of explode function.)**

```

<html>

<head>

<style>

table {

    border-collapse: collapse;

}

table, th, td {

    border: 1px solid blue;

}

</style>

</head>

<body>

<form method="post" action="program5.php">

<center><h1>Enter details of 5 Items </h1>

<h3>item code <input type="text" name="itemcode" placeholder="ex 11,12,13,14,15" /></h3>

<h3>item name <input type="text" name="itemname" /></h3>

<h3>units sold <input type="text" name="unitssold" /></h3>

<h3>rate    <input type="text" name="rate" /></h3>

        <input type="submit" value="Submit"/>

</center>

</form>

```

```
</body>
```

```
</html>
```

program5.php

```
<?php
```

```
    $itemcode = $_POST['itemcode'];
```

```
    $itemname = $_POST['itemname'];
```

```
    $unitssold = $_POST['unitssold'];
```

```
    $rate = $_POST['rate'];
```

```
    $i_code = explode(',',$itemcode);
```

```
    $i_name = explode(',',$itemname);
```

```
    $i_unit = explode(',',$unitssold);
```

```
    $i_rate = explode(',',$rate);
```

```
    $t_amt =  
((($i_unit[0]*$i_rate[0])+($i_unit[1]*$i_rate[1])+($i_unit[2]*$i_rate[2])+($i_unit[3]*$i_rate[3])+($i_unit[  
4]*$i_rate[4]));
```

```
    echo "<table align=center border=1>";
```

```
    echo "<tr><td> <b>Item Code</b> </td><td> <b>Item Name</b> </td><td><b> Units  
Sold</b> </td><td> <b>Rate </b></td></tr>";
```

```
    echo  
"<tr><td>".$i_code[0]."</td><td>".$i_name[0]."</td><td>".$i_unit[0]."</td><td>".$i_rate[0]."</td></tr>  
";
```

```
    echo  
"<tr><td>".$i_code[1]."</td><td>".$i_name[1]."</td><td>".$i_unit[1]."</td><td>".$i_rate[1]."</td></tr>  
";
```

```
    echo  
"<tr><td>".$i_code[2]."</td><td>".$i_name[2]."</td><td>".$i_unit[2]."</td><td>".$i_rate[2]."</td></tr>  
";
```

```
    echo  
"<tr><td>".$i_code[3]."</td><td>".$i_name[3]."</td><td>".$i_unit[3]."</td><td>".$i_rate[3]."</td></tr>  
";
```

```

        echo
        "<tr><td>".$i_code[4]."</td><td>".$i_name[4]."</td><td>".$i_unit[4]."</td><td>".$i_rate[4]."</td></tr>";

        echo "<tr><th colspan=4></th></tr>";

        echo "<tr><th colspan=3>Total amount </th><td>".$t_amt."</td></tr>";

        echo "</table>";

?>

```

---

### **Slip 15:**

**Q1. Write a PHP script to check number 153 is Armstrong or not. [10 Marks]**

```

<?php

$n=153;
$sum=0;
$i=$n;

while($i!=0)
{
    $x=$i%10;
    $sum=$sum+$x*$x*$x;
    $i=$i/10;
}

if($n==$sum)
{
    echo "$n is an Armstrong Number.";
}

else
{
    echo "$n is not an Armstrong Number.";
}

?>

```

**Q2. Write PHP script to demonstrate the concept of introspection for examining object.**

```

class intro
{
    var $i;
    function f1() {}
    function f2() {}
}
class intro_1 extends intro
{
    var $j,$k;
    function f3() {}
    function f4() {}
}
$obj=new intro_1();
if(is_object($obj)) //returns boolean value true if an object ob is created
{
    echo get_class($obj); //returns class name of given object
}
if(method_exists($obj,'f4')) //returns tru if the method f4 exists for the object ob

```



```
{  
echo "method f4 exists";  
}  
var_dump(get_object_vars($ob)); //returns an array of parameter / variables for given object  
?>
```

---