

PHP

ASSIGNMENT 3

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CLASS: SYBBA(C.A)

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ASSIGNMENT 3

SET-A

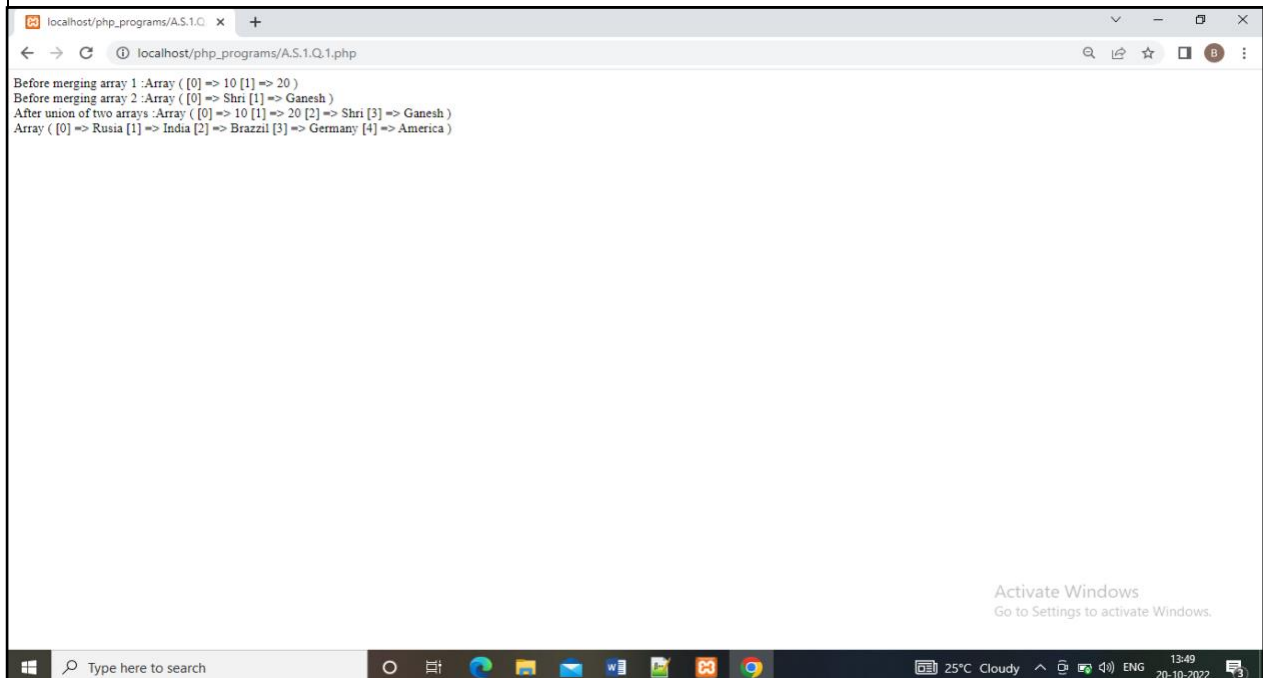
Q.1 Write a PHP program to perform the following operations on Indexed Array:

- a) Union of two arrays
- b) Traverse the array element in random order

Ans :

```
<?php
$num=array(10,20);
$num2=array("Shri","Ganesh");
$res=array_unique(array_merge($num,$num2));
echo"Before merging array 1 :";
print_r($num);
echo"<br>Before merging array 2 :";
print_r($num2);
echo"<br>After union of two arrays :";
print_r($res);
$num3=array("India","America","Rusia","Germany","Brazzil");
shuffle($num3);
echo"<br>";
print_r($num3);
?>
```

Output :



ASSIGNMENT 3**SET-A**

Q.2 Write a PHP program to perform the following operations on Associative Array:

- a) Display the elements of an array along with the keys
- b) Display the size of an array
- c) Delete an element from an array from the given index
- d) Reverse the order of each element's key-value pair
- e) Traverse the elements in an array in an random random order

Ans :

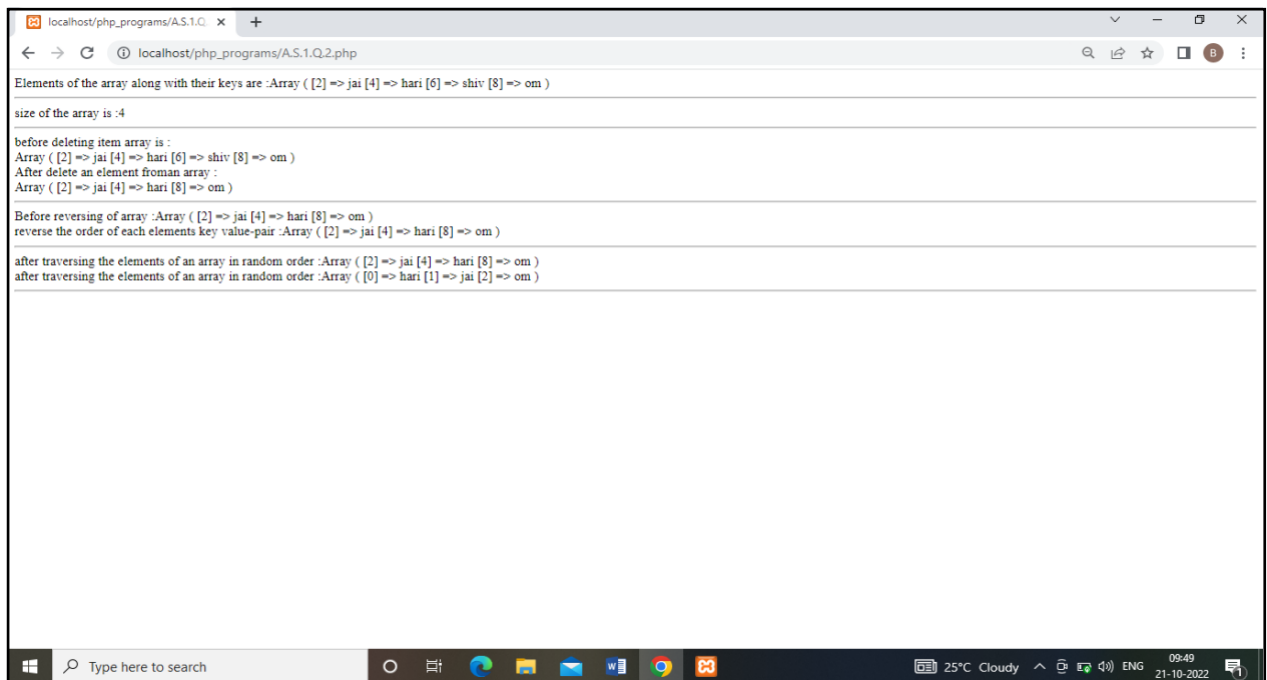
```
<?php
echo "Elements of the array along with their keys are :";
$arr1=array("2"=>"jai","4"=>"hari","6"=>"shiv","8"=>"om");
array_keys($arr1);
print_r($arr1);
echo"<br>";
echo"<hr>";

$size=sizeof($arr1);
echo"size of the array is :".$size;
echo"<hr>";
echo"before deleting item array is :<br>";
print_r($arr1);
echo"<br> After delete an element from an array :<br>";
unset($arr1[6]);
print_r($arr1);
echo"<hr>";

echo"Before reversing of array :";
print_r($arr1);
echo"<br>reverse the order of each elements key value-pair :";
array_reverse($arr1);
print_r($arr1);
echo"<hr>";

echo"after traversing the elements of an array in random order :";
print_r($arr1);
echo"<br>after traversing the elements of an array in random order :";
shuffle($arr1);
print_r($arr1);
echo"<hr>";
?>
```

Output :



ASSIGNMENT 3

SET-A

Q.3 Write a PHP script for the following:

- Declare and Display a Multidimensional array.
- Search and display a specific element from a multidimensional array

Ans :

```
<?php
```

```
$students = [
```

```
    [ "id" => "1",  
      "name" => "Ganesh",  
      "class"=>"SYMCA",
```

```
    ],
```

```
    [  
      "id" => "2",  
      "name" => "Priya",  
      "class"=> "SYBCA",
```

```
    ],
```

```
    [  
      "id" => "3",  
      "name" => "Prashant",  
      "class" =>"S.Y.B.Com",  
    ]
```

```
];
```

```
    echo"Declaring and displaying a Multidimensional array :<br>";  
    print_r($students);  
    echo"<br><hr>";
```

```
$key = array_search('SYBCA', array_column($students, 'class'));
```

```
$key_value = $students[$key];
```

```
    echo"Searching and displaying Priya name's Students info from an Multidimensional  
array :<br>";
```

```
    foreach($key_value as $value)
```

```
{  
    echo " ". $value;  
    echo "<br>";  
}
```

```
echo"Note : Search results are shown in an id, name,class manner respectively.
```

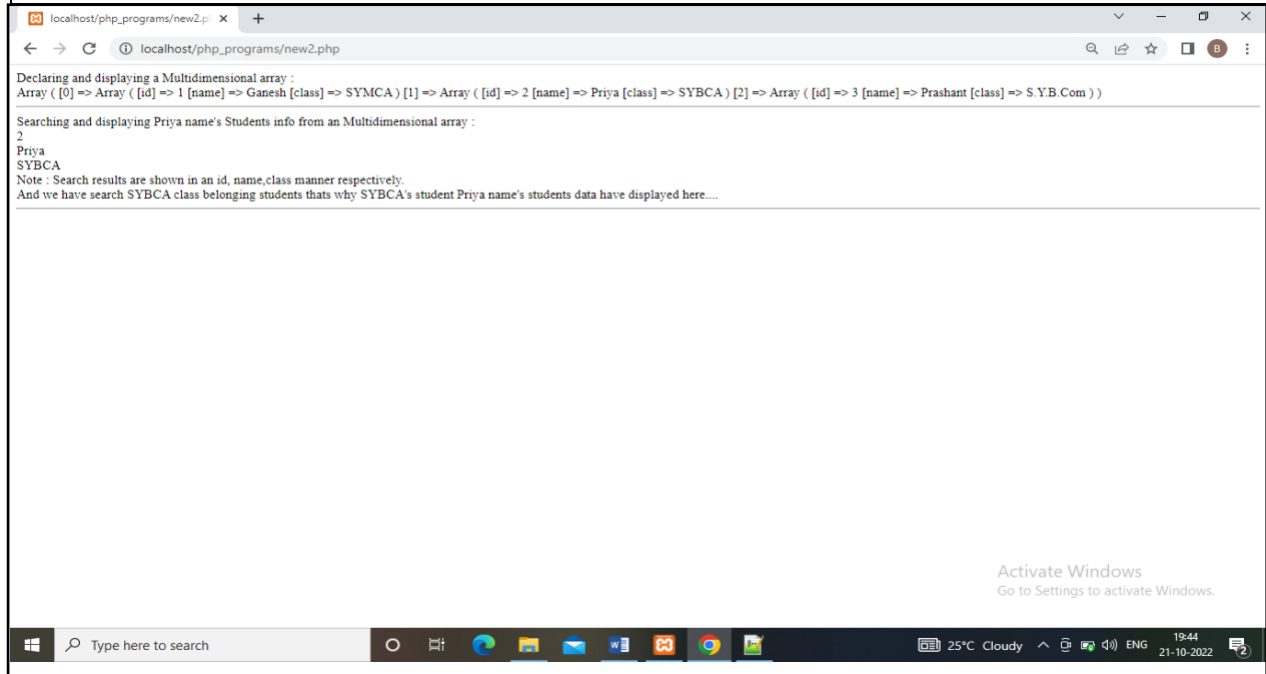
```
<br>
```

```
And we have search SYBCA class belonging students thats why SYBCA's student Priya name's students  
data have displayed here....
```

<hr>;

?>

Output :



ASSIGNMENT 3

SET-B

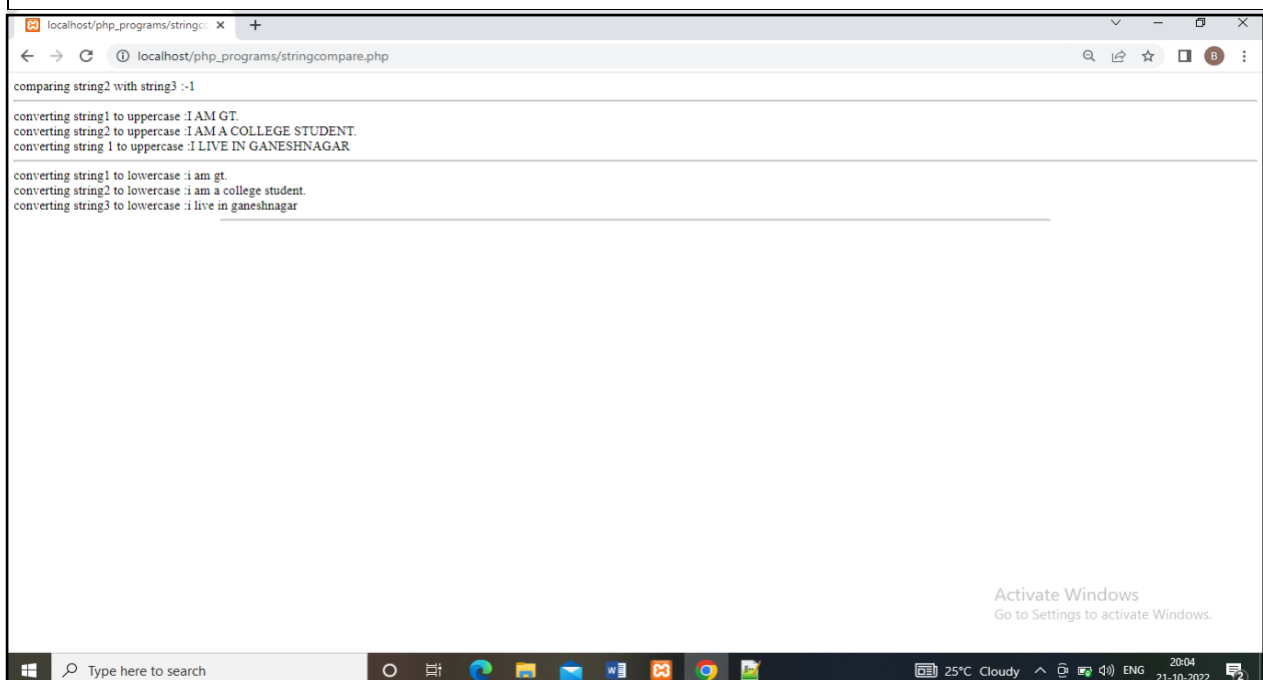
Q.1 Write a PHP program to perform the following operations on String:

- a) Compare string2 with string3.
- b) Convert all the strings to Uppercase
- c) Convert all the strings to Lowercase

Ans :

```
<?php
echo"comparing string2 with string3 :";
$string1="I am GT.";
$string2="I am a college student.";
$string3="I live in Ganeshnagar";
echo strcmp($string2,$string3);
echo"<hr>";
printf("converting string1 to uppercase :");
echo strtoupper($string1);
printf("<br>converting string2 to uppercase :");
echo strtoupper($string2);
printf("<br>converting string 1 to uppercase :");
echo strtoupper($string3);
echo"<br>";
echo"<hr>";
printf("converting string1 to lowercase :");
echo strtolower($string1);
printf("<br>converting string2 to lowercase :");
echo strtolower($string2);
printf("<br>converting string3 to lowercase :");
echo strtolower($string3);
echo"<hr width=1000px>";
?>
```

Output :



ASSIGNMENT 3

SET-B

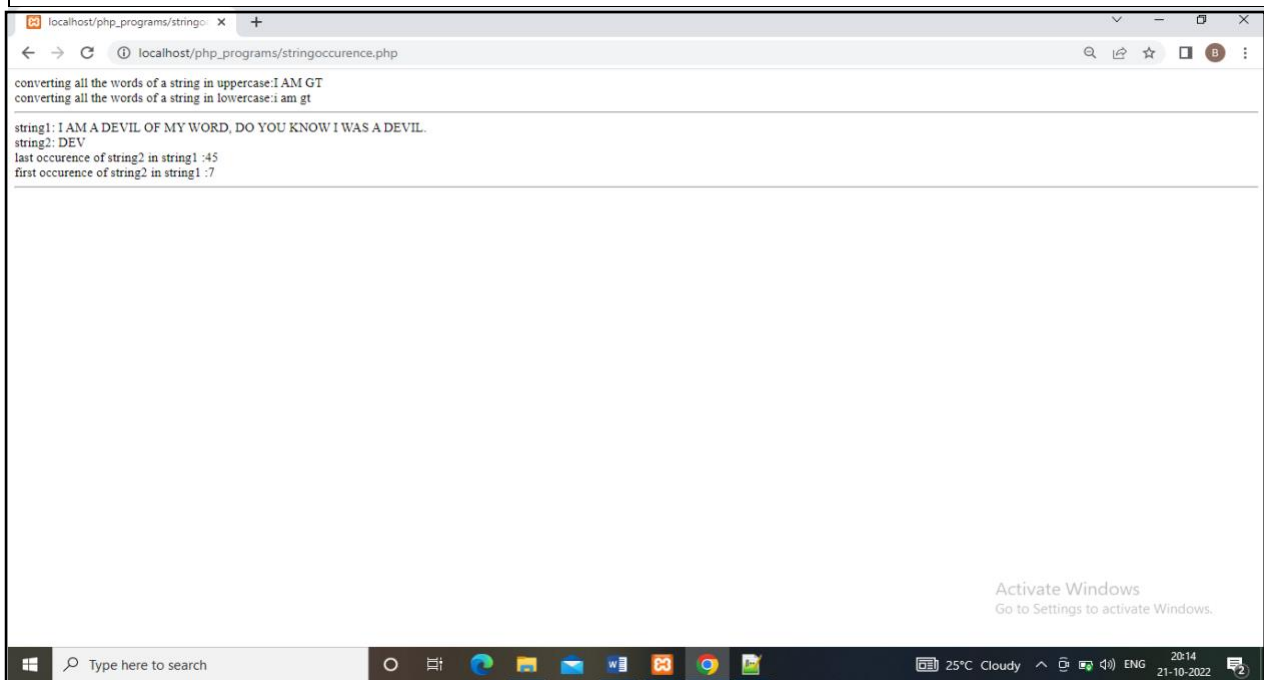
Q.2 Write a PHP program to perform the following operations on String:

- Convert each word of a string to Lowercase and Uppercase.
- Find the first and last Occurrence of string2 in string1.

Ans :

```
<?php
$str1="i am GT";
echo "converting all the words of a string in uppercase:".strtoupper($str1);
echo "<br>";
echo "converting all the words of a string in lowercase:".strtolower($str1);
echo "<br>";
$string1="I AM A DEVIL OF MY WORD, DO YOU KNOW I WAS A DEVIL.";
$string2="DEV";
printf("string1: ".$string1."<br>");
printf("string2: ".$string2."<br>");
echo "last occurrence of string2 in string1 :".strrpos($string1,$string2)."<br>";
echo "first occurrence of string2 in string1 :".strpos($string1,$string2)."<br>";
printf("<br>");
?>
```

Output :



ASSIGNMENT 3

SET-B

Q.3 Write a menu-driven program In PHP to perform the following operations on associative arrays.

- i) Sort the array by values(changing the keys) in ascending , descending order.
- ii) Also, sort the array by values without changing the keys.
- iii) Find the intersection of two arrays
- iv) Find the union of two arrays

Ans :

HTML Source Code :

```
</html>
```

```
<body bgcolor="red">
```

```
<form action="target.php" method="POST">
```

Enter choice :</h2>

☐ Sort array by values without changing key values
☐ Find intersection of two array
☐ Find union of two array

[illegible]

```
<input type="reset" value="CLEAR">
```

</body>

</html>

PHP Source Code :

```
<?php
```

```
function is_odd($var)
{
  if($var%2==1)
  return $var;
}
```

```
$choice=$ POST['ch']:
```

```
$arr=array('a'=>1,'b'=>2,'c'=>3,'d'=>4,'e'=>5,'f'=>6,'g'=>7,'h'=>8);
```

```

$arr1=array('l'=>11,'m'=>22,'n'=>33,'o'=>44,'p'=>55,'q'=>66,'r'=>77,'s'=>88,'t'=>7);

$arr2=array('a'=>10,'b'=>20,'c'=>30,'d'=>40,'e'=>50,'f'=>60,'g'=>70,'h'=>80);

switch($choice)
{
    case 1:
        sort($arr);
        echo "Array in ascending order:<br>";
        print_r($arr);
        rsort($arr);
        echo "<br>Array in descending order:<br>";
        print_r($arr);
        break;

    case 2:
        asort($arr);
        echo "Array in ascending order:<br>";
        print_r($arr);
        arsort($arr);
        echo "<br>Array in descending order:<br>";
        print_r($arr);
        break;

    case 3:
        print_r(array_intersect($arr,$arr1));
        break;

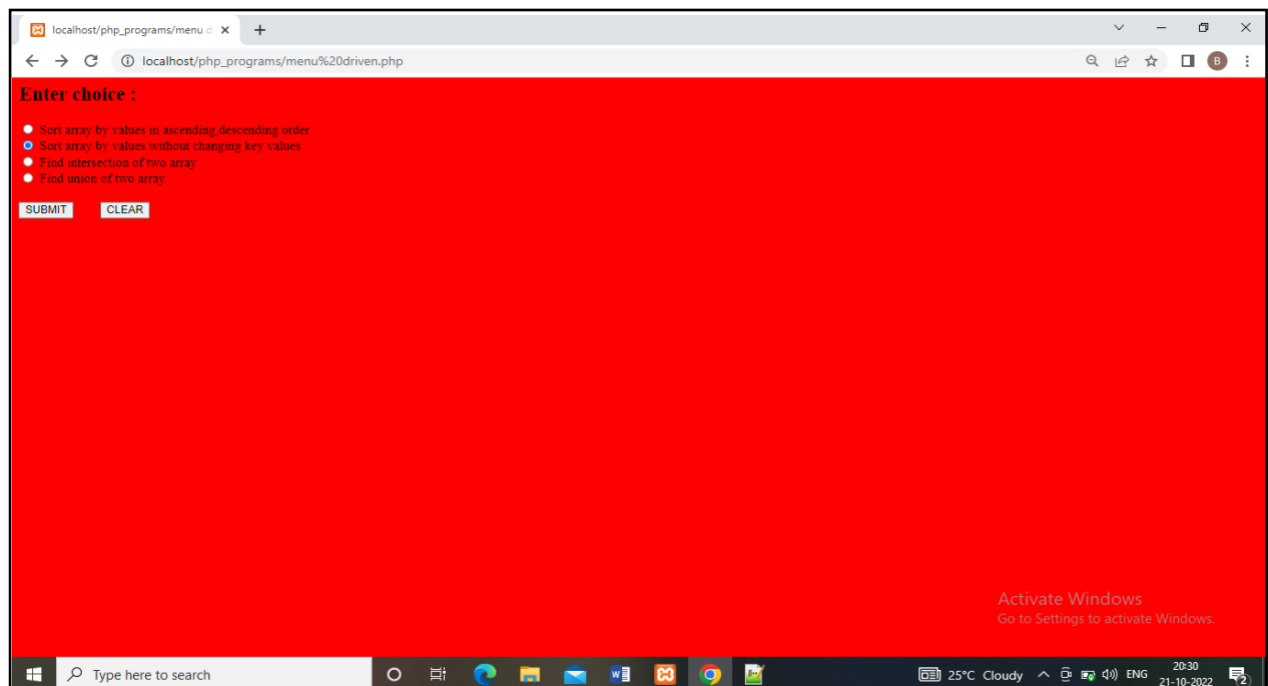
    case 4:
        $union=array_merge($arr,$arr1);
        print_r(array_unique($union));
        break;

}
?>

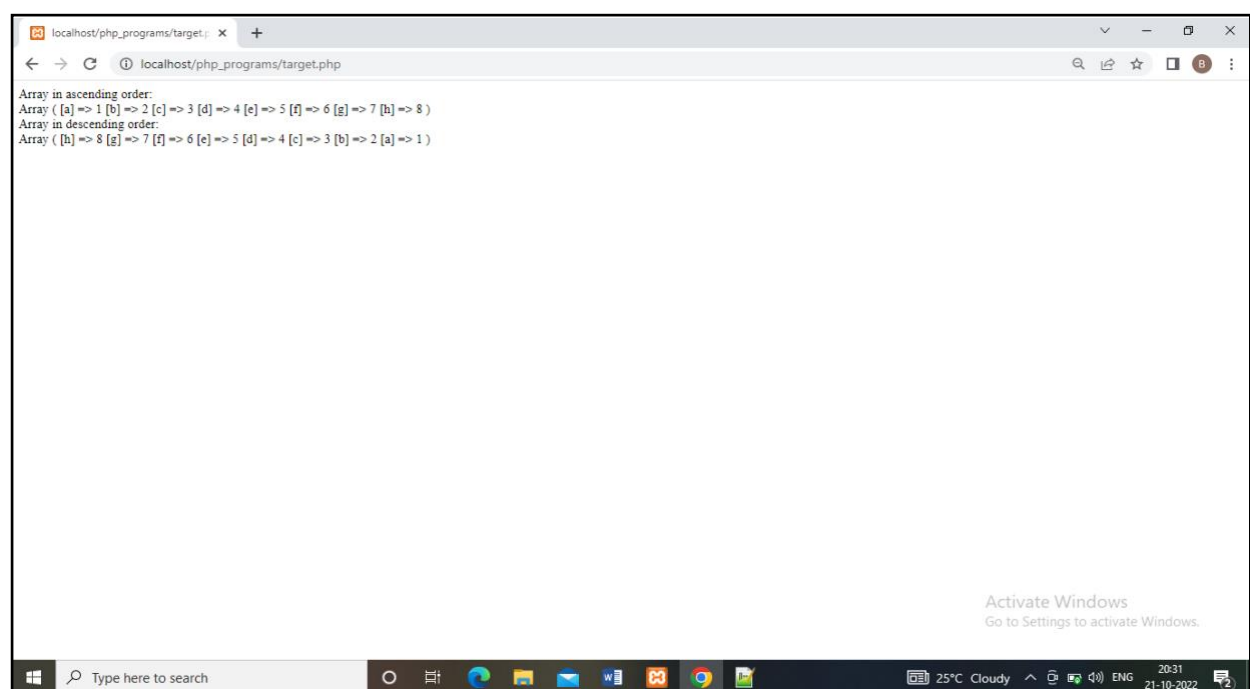
```

Output :

OUTPUT 1



OUTPUT 2



ASSIGNMENT 3

SET-C

Q.1 Write a PHP script to perform the following operation on string:

- Replace the string2 by string3 in string1.
- Reverse and display the string

Ans :

```
<?php
$string1="I am GT and a Nice as well as Good Person.";
$string2=["Nice", "Good"];
$string3=["Brave" ,"Kind"];
echo"<hr>";
echo"After replacing string2 by string3 in string1 :<br>";
echo str_replace($string2,$string3,$string1);
echo"<hr>";
echo"string in an reverse order :<br>";
echo strrev($string1)."<br><hr width=1000>";
?>
```

Output :

