PRACTICAL – 3

Aim: Perform the program of PHP array and its inbuilt function.

1. Write a PHP program to find maximum and minimum number from an array. (Use max,min function)

Code:

```
<?php
   $x = array(10,56,24,36,75,95,64);
   print_r($x);
   echo"<br/>";
   echo "Maximum Value of Array : ". max($x) . "<br/>";
   echo "Maximum Value of Array : ". min($x);
?>
```

Output:

```
Array ( [0] => 10 [1] => 56 [2] => 24 [3] => 36 [4] => 75 [5] => 95 [6] => 64 )
Maximum Value of Array : 95
Maximum Value of Array : 10
```

2. Write a PHP Program to reverse an array. (array_reverse)

Code:

```
<?php
   $x = array(10,56,24,36,75,95,64);
   echo "Original Array :";
   print_r($x);
   echo "<br/>"."Reversed Array :";
   print_r(array_reverse($x));
?>
```

Output:

```
Original Array :Array ( [0] => 10 [1] => 56 [2] => 24 [3] => 36 [4] => 75 [5] => 95 [6] => 64 )
Reversed Array :Array ( [0] => 64 [1] => 95 [2] => 75 [3] => 36 [4] => 24 [5] => 56 [6] => 10 )
```

3. Write a PHP Program to merge two arrays. (merge)

Code:

```
<?php
   $x = array('a','b','c','d');
   $y = array('e','f','g','h');
   echo "Array 1:";
```

```
   print_r($x);
   echo "<br/>"."Array 2:";
   print_r($y);
   echo "<br/>"."Merged Array";
   print_r(array_merge($x, $y));

   // Merge without Function
   echo "<br/>"."Merged Array without Function";
   $a = array('a','b','c','d');
   $b = array(1,2,5,6,3);
   $n1 = count($a);
   $n2 = count($b);
   $j=0;
   for($i = 0; $i <= ($n1+$n2); $i++){
      if ($i < $n1){
         $c[$i] = $a[$i];
      }
      else{
         $c[$i] = $b[$j];
         $j++;
      }
   }
   print_r($c);
?>
```

Output:

```
Array 1:Array ( [0] => a [1] => b [2] => c [3] => d )
Array 2:Array ( [0] => e [1] => f [2] => g [3] => h )
Merged ArrayArray ( [0] => a [1] => b [2] => c [3] => d [4] => e [5] => f [6] => g [7] => h )
Merged Array without Function
Warning: Undefined array key 5 in C:\xampp\htdocs\23012022021\Pr3_3.php on line 23
Array ( [0] => a [1] => b [2] => c [3] => d [4] => 1 [5] => 2 [6] => 5 [7] => 6 [8] => 3 [9] => )
```

4. Write a PHP Program to sort an array. (sort)

Code:

```
<?php
   $x = array(10,56,24,36,75,95,64);
   sort($x);
   print_r($x);
?>
```

Output:

```
Array ( [0] => 10 [1] => 24 [2] => 36 [3] => 56 [4] => 64 [5] => 75 [6] => 95 )
```

5. Write a PHP program to search an ELement from array. (search)

Code:

```
<?php
   $x = array(10,56,24,36,75,95,64);
   $search = 75;
   for($i=0;$i<=count($x);$i++){
      if($x[$i] == $search){
         echo "Element found at index $i";
      }
   }
?>
```

Output:

```
Element found at index 4
```

6. Write a PHP Program to remove the duplicate value from an array. (array_unique($arr))

Code:

```
<?php
   $x = array(10,56,24,36,75,95,64,56,25,24,75);
   echo "Original Array : <br/> ";
   print_r($x);
   echo "<br/> Array of Removed Duplicate values : <br/> ";
   print_r(array_unique($x));
?>
```

Output:

```
Original Array :
Array ( [0] => 10 [1] => 56 [2] => 24 [3] => 36 [4] => 75 [5] => 95 [6] => 64 [7] => 56 [8] => 25 [9] => 24 [10] => 75 )
Array of Removed Duplicate values :
Array ( [0] => 10 [1] => 56 [2] => 24 [3] => 36 [4] => 75 [5] => 95 [6] => 64 [8] => 25 )
```