

**EX.NO:**

**DATE:**

## **PHP ARRAYS**

### **1)Array values greater than the average value of array**

```
<?php
$values = [10, 15, 20, 25, 30];
$average = array_sum($values) / count($values);
foreach ($values as $value) {
    if ($value > $average) {
        echo $value . " ";
    }
}
?>
```



## 2)Search a number in an array

```
<?php
$numbers = [10, 15, 20, 25, 30];
$numberToFind = 25;
$found = false;
foreach ($numbers as $number) {
    if ($number === $numberToFind) {
        $found = true;
        break;
    }
}
if ($found) {
    echo "The number $numberToFind was found in the array.";
} else {
    echo "The number $numberToFind was not found in the array.";
}
?>
```



### 3)Sort array elements in ascending or descending order.

```
<?php
$numbers = [5, 2, 9, 1, 5, 6, 3];
sort($numbers);
echo "Ascending Order: ";
foreach ($numbers as $number) {
    echo "$number ";
}
echo PHP_EOL;
rsort($numbers);
echo "Descending Order: ";
foreach ($numbers as $number) {
    echo "$number ";
}
?>
```



#### 4)Search an element in an array.

```
<?php
$fruits = ["apple", "banana", "cherry", "date", "fig"];
$searchElement = "banana";
$found = false;
foreach ($fruits as $fruit) {
    if ($fruit === $searchElement) {
        $found = true;
        break;
    }
}
if ($found) {
    echo "$searchElement was found in the array.";
} else {
    echo "$searchElement was not found in the array.";
}
?>
```



### 5)Count total number of negative elements in an array.

```
<?php
$numbers = [-5, 2, -9, 1, -5, 6, 3];
$countNegatives = 0;

foreach ($numbers as $number) {
    if ($number < 0) {
        $countNegatives++;
    }
}
echo "Total number of negative elements in the array: $countNegatives";
?>
```



## 6)PHP program to find second largest element in an array.

```
<?php
$numbers = [10, 5, 20, 15, 30];
rsort($numbers);
if (count($numbers) >= 2) {
    $secondLargest = $numbers[1];
    echo "The second largest element in the array is: $secondLargest";
} else {
    echo "The array doesn't have a second largest element.";
}
?>
```



Conduct of Experiment(30):	
Record(20):	
Viva(10):	
Total(60):	

**RESULT:**

Thus, the php programs to demonstrate arrays has been executed successfully.