



PHP Basic Tasks

Array

1. Write a script to generate the following paragraph

"The memory of that scene for me is like a frame of film forever frozen at that moment: the red carpet, the green lawn, the white house, the leaden sky. The new president and his first lady. - Richard M. Nixon"
The words 'red', 'green' and 'white' should come from the \$colors array.

2. \$colors = array('white', 'green', 'red')

Write a PHP script that will display the colors as unordered list :

Expected Output:

- green
- red
- white

3. \$cities= array("Italy"=>"Rome", "Luxembourg"=>"Luxembourg", "Belgium"=> "Brussels", "Denmark"=>"Copenhagen", "Finland"=>"Helsinki", "France" => "Paris", "Slovakia"=>"Bratislava", "Slovenia"=>"Ljubljana", "Germany" => "Berlin", "Greece" => "Athens", "Ireland"=>"Dublin", "Netherlands"=>"Amsterdam", "Portugal"=>"Lisbon", "Spain"=>"Madrid");

Create a PHP script to displays the capital and country name from the above array \$cities. Sort the list by the capital of the country.

Expected Output:

The capital of Netherlands is Amsterdam

The capital of Greece is Athens

The capital of Germany is Berlin



4. `$color = array (4 => 'white', 6 => 'green', 11=> 'red');`

Write a PHP script to display the first element of the above array.

Expected Output: white

5. **Write a PHP script that inserts a specific new item in an array in any position.**

Sample Input:

Array 1 2 3 4 5
Location: 4
New Item: \$

Expected Output: 1 2 3 \$ 4 5

6. **Write a PHP script to sort the following associative array depending on the key value [asc] :**

Sample Input:

```
$fruits = array("d" => "lemon", "a" => "orange", "b" => "banana", "c" => "apple")
```

Expected Output:

```
c = apple
b = banana
d = lemon
a = orange
```

7. **Write a PHP script to calculate and display the average temperature for the recorded reads, also the script should display the list of the five lowest and the five highest temperatures**

Sample Input: 78, 60, 62, 68, 71, 68, 73, 85, 66, 64, 76, 63, 75, 76, 73, 68, 62, 73, 72, 65, 74, 62, 62, 65, 64, 68, 73, 75, 79, 73

Expected Output:

Average Temperature is: 70.6

List of seven lowest temperatures: 60, 62, 63, 63, 64,

List of seven highest temperatures: 76, 78, 79, 81, 85,

8. **Write a PHP program to merge the following two arrays.**



Sample Input:

```
$array1 = array("color" => "red", 2, 4);  
$array2 = array("a", "b", "color" => "green", "shape" => "trapezoid", 4);
```

Expected Output:

```
Array  
(  
    [color] => green  
    [0] => 2  
    [1] => 4  
    [2] => a  
    [3] => b  
    [shape] => trapezoid  
    [4] => 4  
)
```

9. Write a PHP function to change the following array's and convert all the strings to upper case.

Sample Input:

```
$colors = array("red", "blue", "white", "yellow");
```

Expected Output :

```
Array  
(  
    RED  
    BLUE  
    WHITE  
    YELLOW  
)
```

10. Write a PHP function to change the following array's and convert all the strings to lower case.

Sample Input:

```
$colors = array("RED", "BLUE", "WHITE", "YELLOW");
```

Expected Output :

```
Array  
(  
    red
```



```
blue  
white  
yellow
```

)

11. Write a PHP script which displays all the numbers between 200 and 250 that are divisible by 4.

Expected Output: 200,204,208,212,216,220,224,228,232,236,240,244,248

12. Write a PHP script to get the shortest/longest string length from an array.

Sample Input:

```
$words = array("abcd","abc","de","hj jj","g","wer")
```

Expected Output :

The shortest array length is 1. The longest array length is 4.

13. Write a PHP script to generate unique random 10 numbers within a specific range.

Sample Input: (11, 20)

Sample Output: 17 16 13 20 14 19 18 15 11 12

14. Write a PHP script that returns the lowest integer in the array that is not 0.

Sample Input: `$array1 = array(2, 0, 10, 12, 6)`

Sample Output: 2

15. Write a PHP program to sort an array of positive integers using the any Sort Algorithm.

Input array : Array ([0] => 5 / [1] => 3 / [2] => 1 / [3] => 3 / [4] => 8 / [5] => 7 / [6] => 4 / [7] => 1 / [8] => 1 / [9] => 3)

Expected Result : Array ([0] => 8 / [1] => 7 / [2] => 5 / [3] => 4 / [4] => 3 / [5] => 3 / [6] => 3 / [7] => 1 / [8] => 1 / [9] => 1)



16. Write a PHP function to floor decimal numbers with precision. Note: Accept three parameters number, precision, and \$separator

Sample Data :

1.155, 2, "."

100.25781, 4, "."

-2.9636, 3, "."

Expected Output :

1.15

100.2578

-2.964

17. Write a PHP script to merge two commas separated lists with unique values only.

```
Sample input: list1 = "4, 5, 6, 7";
```

```
list2 = "4, 5, 7, 8";
```

```
Sample output: 4, 5, 6, 7, 8
```

18. Write a PHP function to remove the duplicate entry from an array.

```
sample input = 4, 5, 6, 7, 4, 7, 8
```

```
sample Output = 4, 5, 6, 7, 8
```

19. Write a PHP Program to find if an array is a subset of another.

```
sample input:
```

```
array1 = 'a', '1', '2', '3', '4'
```

```
array2 = 'a', '3'
```

```
sample output:
```

```
array2 is a subset array from array1
```