PHP - Arrays

1. $color = array('white', 'green', 'red', 'blue', 'black');

Write a script that display the following string -

"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 $color variables .

2. $color = array('white', 'green', 'red")

Write a PHP script that will display the colors in the following order :

Output :

white, green, red,

- 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", "Sweden"=>"Stockholm", "United Kingdom"=>"London", "Cyprus"=>"Nicosia", "Lithuania"=>"Vilnius", "Czech "Republic"=>"Prague", "Estonia"=>"Tallinn", "Hungary"=>"Budapest") ;

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

Sample Output :

The capital of Netherlands is Amsterdam

The capital of Greece is Athens

The capital of Germany is Berlin

4. $x = array(1, 2, 3, 4, 5);

Delete an element from the above PHP array. After deleting the element, integer keys must be normalized.

Sample Output :

array(5) { [0]=> int(1) [1]=> int(2) [2]=> int(3) [3]=> int(4) [4]=> int(5) }

array(4) { [0]=> int(1) [1]=> int(2) [2]=> int(3) [3]=> int(5) }

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

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

Expected result : white

7. Write a PHP script that inserts a new item in an array in any position.

Expected Output :

Original array :

1 2 3 4 5

After inserting '$' the array is :

1 2 3 $ 4 5

8. Write a PHP script to sort the following associative array :

array("Sophia"=>"31","Jacob"=>"41","William"=>"39","Ramesh"=>"40") in

a) ascending order sort by value

b) ascending order sort by Key

c) descending order sorting by Value

d) descending order sorting by Key

9. Write a PHP script to calculate and display average temperature, five lowest and highest temperatures.

Recorded temperatures : 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,

11. Write a PHP program to merge the following two arrays.

Sample arrays :

$array1 = array(array(70,40), array(25, 45));

$array2 = array("example", "com");

Expected Output :

Array
(
[0] => Array
(
[0] => example
[1] => 70
[2] => 40
)
[1] => Array
(
[0] => com
[1] => 25
[2] => 45
)
)

12. Write a PHP function to change the following array's all values to upper or lower case.

Sample arrays :

$color = array('A' => 'Blue', 'B' => 'Green', 'c' => 'Red');

Expected Output :

Values are in lower case.

Array ([A] => blue [B] => green [c] => red)

Values are in upper case.

Array ([A] => BLUE [B] => GREEN [c] => RED)

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

Note : Do not use any PHP control statement.

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

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

Sample arrays : ("abcd","abc","de","hjjj","g","wer")

Expected Output : The shortest array length is 1. The longest array length is 4.

15. Write a PHP script to generate unique random numbers within a range.

Sample Range : (11, 20)

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

16. Write a PHP script to get the largest key in the array.

17. Write a PHP function that returns the lowest integer in the array that is not 0.

18. 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

19. Write a PHP script to print "second" and Red from the following array.

Sample Data :

$color = array ("color" => array ("a" => "Red", "b" => "Green", "c" => "White"),

"numbers" => array (1, 2, 3, 4, 5, 6),

"holes" => array ("First", 5 => "Second", "Third"));

20. Write a PHP function to sort an array according to another array acting as a priority list.

24. Write a PHP script to sort an array using case-insensitive natural ordering.