PHP Basic Tasks

Duration: 4 Hour

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 $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:

   ```php
   $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:

   ```php
   $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:

   ```php
   $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 to get the shortest/longest string length from an array.

Sample Input:

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

Expected Output :

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

12. 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