PHP Coding PRACTICE QUIZZ [2B] - Arrays

NOTE: you are not required to use Functions for these questions... just write the code enclosed in opening and closing PHP tags.

1. Write a PHP script to create an array of 5 numbers (choose any 5 integer values for this purpose) and calculate the sum of all the numbers. Display the array and the sum on the web page.

2. Write a PHP script to create an array of 5 strings [use the values, Hello; World; this; is; PHP] and concatenate them into a single string with spaces between each word. Display the result on the web page.

3. Write a PHP script to find the maximum and minimum values in an array of numbers. Initialise an array with any 5 integer values for this purpose. Display the result on the web page.

4. Write a PHP script to reverse the elements in an array of numbers. Initialise an array with any 5 integer values for this purpose. Display the result on the web page.

5. Write a PHP script to create an array of 10 random numbers between 1 and 100 and find the average of these numbers. Display the result on the web page.

6. Write a PHP script to merge two arrays into one and remove duplicate values. Initialise two Integer arrays with any numbers of your choice, for this purpose. Off course you must ensure that the data you use contains duplicate values! Display the result on the web page.

7. Assume the existence of this array: $array = [1, 2, 3, 4, 5];

Write a PHP script to print the elements of an array using a `foreach` loop.

8. Write a PHP script to create an associative array of 3 students with their first name as keys and their surname as values. Display the array elements and keys on a web page.

9. Assume the existence of this array:

```
$students = [
    "John" => 85,
    "Jane" => 90,
    "Doe" => 78
];
```

Write a PHP script to find (and display) the student with the highest score in the associative array.

10. Assume the existence of this array:

```php
$students = [
    "John" => 85,
    "Jane" => 90,
    "Doe" => 78
];
```

Write a PHP script to calculate (and display) the average score of all students in the associative array.

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