**JavaScript - Arrays Exercises**

1. Write a JavaScript function to check whether an `input` is an array or not.

Test Data :

console.log(is\_array('Vancouver'));

console.log(is\_array([1, 2, 4, 0]));

false

true

2. Write a simple JavaScript program to join all elements of the following array into a string.

Sample array : myColor = ["Red", "Green", "White", "Black"];

Expected Output :

"Red,Green,White,Black"

"Red,Green,White,Black"

"Red+Green+White+Black"

3. Write a JavaScript program to sort the items of an array.

Sample array : var arr1 = [ 3, 8, 7, 6, 5, -4, 3, 2, 1 ];

Sample Output : -4,-3,1,2,3,5,6,7,8

4. Write a JavaScript program to find the most frequent item of an array.

Sample array : var arr1=[3, 'a', 'a', 'a', 2, 3, 'a', 3, 'a', 2, 4, 9, 3];

Sample Output : a ( 5 times )

5. Write a JavaScript program which prints the elements of the following array.

Note : Use nested for loops.

Sample array : var a = [[1, 2, 1, 24], [8, 11, 9, 4], [7, 0, 7, 27], [7, 4, 28, 14], [3, 10, 26, 7]];

Sample Output :

"row 0"

" 1"

" 2"

" 1"

" 24"

"row 1"

......

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6. Write a JavaScript program to remove duplicate items from an array (ignore case sensitivity).

7. There are two arrays with individual values, write a JavaScript program to compute the sum of each individual index value from the given arrays.

Sample array :

array1 = [1,0,2,3,4];

array2 = [3,5,6,7,8,13];

Expected Output :

[4, 5, 8, 10, 12, 13]

8. Write a JavaScript program to find duplicate values in a JavaScript array.

9. Write a JavaScript function to merge two arrays and removes all duplicates elements.

Test data :

var array1 = [1, 2, 3];

var array2 = [2, 30, 1];

console.log(merge\_array(array1, array2));

[3, 2, 30, 1]

10. Write a JavaScript function to get a random item from an array.