

1. Write a JavaScript function to check whether an `input` is an array or not.
2. Write a JavaScript function to clone an array.
3. Write a JavaScript function to get the first element of an array. Passing the parameter 'n' will return the first 'n' elements of the array.
4. Write a JavaScript function to get the last element of an array. Passing the parameter 'n' will return the last 'n' elements of the array.
5. Write a simple JavaScript program to join all elements of the following array into a string.  
*Sample array* : myColor = ["Red", "Green", "White", "Black"];
6. Write a JavaScript program that accepts a number as input and inserts dashes (-) between each even number. For example if you accept 025468 the output should be 0-254-6-8.
7. Write a JavaScript program to sort the items of an array.
8. Write a JavaScript program to find the most frequent item in an array.
9. Write a JavaScript program that accepts a string as input and swaps the case of each character. For example if you input 'The Quick Brown Fox' the output should be 'tHE qUICK bROWN fOX'.
10. Write a JavaScript program that prints the elements of the following array.
11. Write a JavaScript program to find the sum of squares of a numerical vector.
12. Write a JavaScript program to compute the sum and product of an array of integers.
13. Write a JavaScript program to add items to a blank array and display them.
14. Write a JavaScript program to remove duplicate items from an array (ignore case sensitivity).
15. We have the following arrays :  
color = ["Blue ", "Green", "Red", "Orange", "Violet", "Indigo", "Yellow "];  
o = ["th", "st", "nd", "rd"]  
Write a JavaScript program to display the colors in the following way :  
"1st choice is Blue ."  
"2nd choice is Green."  
"3rd choice is Red."
16. Write a JavaScript program to find the leap years in a given range of years.
17. Write a JavaScript program to shuffle an array.
18. Write a JavaScript program to perform a binary search.
19. There are two arrays with individual values. Write a JavaScript program to compute the sum of each individual index value in the given array.
20. Write a JavaScript program to find duplicate values in a JavaScript array.
21. Write a JavaScript program to flatten a nested (any depth) array. If you pass shallow, the array will only be flattened to a single level.

Sample Data :

```
console.log(flatten([1, [2], [3, [[4]]],[5,6]]));  
[1, 2, 3, 4, 5, 6]  
console.log(flatten([1, [2], [3, [[4]]],[5,6]], true));  
[1, 2, 3, [[4]], 5, 6]
```

22. Write a JavaScript program to compute the union of two arrays.
23. Write a JavaScript function to find the difference between two arrays.
24. Write a JavaScript function to remove. 'null', '0', '""', 'false', 'undefined' and 'NaN' values from an array.
25. Write a JavaScript function to sort the following array of objects by title value.
26. Write a JavaScript program to find a pair of elements (indices of the two numbers) in a given array whose sum equals a specific target number.
27. Write a JavaScript function to retrieve the value of a given property from all elements in an array.
28. Write a JavaScript function to find the longest common starting substring in a set of strings.
29. Write a JavaScript function to fill an array with values (numeric, string with one character) within supplied bounds.
30. Write a JavaScript function that merges two arrays and removes all duplicate elements.
31. Write a JavaScript function to remove a specific element from an array.
32. Write a JavaScript function to find an array containing a specific element.
33. Write a JavaScript script to empty an array while keeping the original.
34. Write a JavaScript function to get the nth largest element from an unsorted array.
35. Write a JavaScript function to get random items from an array.
36. Write a JavaScript function to create a specified number of elements with a pre-filled numeric value array.
37. Write a JavaScript function to create a specified number of elements with a pre-filled string value array.
38. Write a JavaScript function to move an array element from one position to another.
39. Write a JavaScript function to filter false, null, 0 and blank values from an array.
40. Write a JavaScript function to generate an array of integer numbers, increasing one from the starting position, of a specified length.