**6.** Write a JS program which accept a number as input and insert dashes (-) between each two even numbers. For example if you accept 025468 the output should be 0-254-6-8. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-6.php)  
  
**8.** Write a JS program to find the most frequent item of an array. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
*Sample array* : var arr1=[3, 'a', 'a', 'a', 2, 3, 'a', 3, 'a', 2, 4, 9, 3];  
*Sample Output* : a ( 5 times )   
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-8.php)

**9.** Write a JavaScript program which accept a string as input and swap the case of each character. For example if you input 'The Quick Brown Fox' the output should be 'tHE qUICK bROWN fOX'. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-9.php)

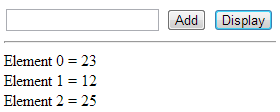
**10.** Write a JavaScript program which prints the elements of the following array. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
Note : Use nested for loops.  
Sample array : var a = [[1, 2, 1, 24], [8, 11, 9, 4], [7, 0, 7, 27], [7, 4, 28, 14], [3, 10, 26, 7]];  
*Sample Output* :   
"row 0"   
" 1"   
" 2"   
" 1"  
" 24"  
"row 1"   
------  
------  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-10.php)

**11.** Write a JavaScript program to find the sum of squares of a numeric vector. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-11.php)

**12.** Write a JavaScript program to compute the sum and product (multiply each element in an arr) of an array of integers. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-12.php)

Ex: var array = [1, 2, 3, 4, 5, 6];

Output: Sum : 21 Product : 720

**13.** Write a JavaScript program to add items in an blank array and display the items. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
*Sample Screen* :   
  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-13.php)

**14.** Write a JavaScript program to remove duplicate items from an array (ignore case sensitivity). [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-14.php)

**15.** We have the following arrays : [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
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."  
- - - - - - - - - - - - -  
Note : Use ordinal numbers to tell their position.  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-15.php)

**16.** Find the leap years in a given range of years. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-16.php)

**17.** Write a JavaScript program to shuffle an array. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-17.php)

**18.** Write a JavaScript program to perform a binary search. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
Note : A binary search or half-interval search algorithm finds the position of a specified input value within an array sorted by key value.   
Sample array :   
var items = [1, 2, 3, 4, 5, 7, 8, 9];  
Expected Output :   
console.log(binary\_Search(items, 1)); //0   
console.log(binary\_Search(items, 5)); //4  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-18.php)

**19.** There are two arrays with individual values, write a JavaScript program to compute the sum of each individual index value from the given arrays. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
Sample array :   
array1 = [1,0,2,3,4];  
array2 = [3,5,6,7,8,13];  
Expected Output :   
[4, 5, 8, 10, 12, 13]   
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-19.php)

**21.** Write a JavaScript program to flatten a nested (any depth) array. If you pass shallow, the array will only be flattened a single level. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
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]  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-21.php)

**22.** Write a JavaScript program to compute the union (The **SQL UNION** clause/operator is used to combine the results of two or more SELECT statements without returning any duplicate rows.)of two arrays. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
Sample Data :  
console.log(union([1, 2, 3], [100, 2, 1, 10]));  
[1, 2, 3, 10, 100]  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-22.php)

**23.** Write a JavaScript function to find the difference of two arrays. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR) *Test Data* :  
console.log(difference([1, 2, 3], [100, 2, 1, 10]));   
["3", "10", "100"]  
console.log(difference([1, 2, 3, 4, 5], [1, [2], [3, [[4]]],[5,6]]));   
["6"]  
console.log(difference([1, 2, 3], [100, 2, 1, 10]));  
["3", "10", "100"]   
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-23.php)

**24.** Write a JavaScript function to remove. 'null', '0', '""', 'false', 'undefined' and 'NaN' values from an array. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
Sample array : [NaN, 0, 15, false, -22, '',undefined, 47, null]  
Expected result : [15, -22, 47]  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-24.php)

**25.** Write a JavaScript function to sort the following array of objects by title value. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
Sample object :

var library = [

{ author: 'Bill Gates', title: 'The Road Ahead', libraryID: 1254},

{ author: 'Steve Jobs', title: 'Walter Isaacson', libraryID: 4264},

{ author: 'Suzanne Collins', title: 'Mockingjay: The Final Book of The Hunger Games', libraryID: 3245}

];

Expected result :

[[object Object] {

author: "Suzanne Collins",

libraryID: 3245,

title:"Mockingjay:The Final Book of The Hunger Games"

}, [object Object] {

author: "Bill Gates",

libraryID: 1254,

title: "The Road Ahead"

}, [object Object] {

author: "Steve Jobs",

libraryID: 4264,

title: "Walter Isaacson"

}]

[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-25.php)

**26.** Write a JavaScript program to find a pair of elements (indices of the two numbers) from an given array whose sum equals a specific target number. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

Input: numbers= [10,20,10,40,50,60,70], target=50  
Output: 3, 4

[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-26.php)

**27.**Write a JavaScript function to retrieve the value of a given property from all elements in an array. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)  
Sample array : [NaN, 0, 15, false, -22, '',undefined, 47, null]  
Expected result : [15, -22, 47]  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-27.php)

**28.** Write a JavaScript function to find the longest common starting substring in a set of strings.[Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

Sample array : console.log(longest\_common\_starting\_substring(['go', 'google']));  
Expected result : "go"

[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-28.php)

**29.**Write a JavaScript function to fill an array with values (numeric, string with one character) on supplied bounds.[Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

Test Data :   
console.log(num\_string\_range('a', "z", 2));  
["a", "c", "e", "g", "i", "k", "m", "o", "q", "s", "u", "w", "y"]

[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-29.php)

**30.**Write a JavaScript function to merge two arrays and removes all duplicates elements. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

Test data :  
var array1 = [1, 2, 3];   
var array2 = [2, 30, 1];   
console.log(merge\_array(array1, array2));  
[3, 2, 30, 1]

[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-30.php)

**31.**Write a JavaScript function to remove a specific element from an array. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

Test data :  
console.log(remove\_array\_element([2, 5, 9, 6], 5));  
[2, 9, 6]  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-31.php)

**32.**Write a JavaScript function to find an array contains a specific element. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

Test data :  
arr = [2, 5, 9, 6];  
console.log(contains(arr, 5));  
[True]  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-32.php)

**33.**Write a JavaScript script to empty an array keeping the original. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-33.php).

**34.**Write a JavaScript function to get nth largest element from an unsorted array. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

Test Data :  
console.log(nthlargest([ 43, 56, 23, 89, 88, 90, 99, 652], 4));  
89

[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-34.php)

**35.**Write a JavaScript function to get a random item from an array. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-35.php)

**36.**Write a JavaScript function to create a specified number of elements with pre-filled numeric value array. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

Test Data :  
console.log(array\_filled(6, 0));   
[0, 0, 0, 0, 0, 0]  
console.log(array\_filled(4, 11));  
[11, 11, 11, 11]

[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-36.php)

**37.**Write a JavaScript function to create a specified number of elements with pre-filled string value array. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

Test Data :  
console.log(array\_filled(3, 'default value'));   
["default value", "default value", "default value"]  
console.log(array\_filled(4, 'password'));  
["password", "password", "password", "password"]  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-37.php)

**38.**Write a JavaScript function to move an array element from one position to another. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

Test Data :  
console.log(move([10, 20, 30, 40, 50], 0, 2));  
[20, 30, 10, 40, 50]  
console.log(move([10, 20, 30, 40, 50], -1, -2));  
[10, 20, 30, 50, 40]  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-38.php)

**39.**Write a JavaScript function to filter false, null, 0 and blank values from an array. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

*Test Data* :  
console.log(filter\_array\_values([58, '', 'abcd', true, null, false, 0]));  
[58, "abcd", true]  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-39.php)

**40.**Write a JavaScript function to generate an array of specified length, filled with integer numbers, increase by one from starting position. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

*Test Data* :  
console.log(array\_range(1, 4));   
[1, 2, 3, 4]  
console.log(array\_range(-6, 4));  
[-6, -5, -4, -3]  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-40.php)

**41.**Write a JavaScript function to generate an array between two integers of 1 step length.[Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

*Test Data* :  
console.log(rangeBetwee(4, 7));   
[4, 5, 6, 7]  
console.log(rangeBetwee(-4, 7));  
[-4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6, 7]  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-41.php)

**42.**Write a JavaScript function to find the unique elements from two arrays. [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php#EDITOR)

*Test Data* :  
console.log(difference([1, 2, 3], [100, 2, 1, 10]));  
["1", "2", "3", "10", "100"]  
console.log(difference([1, 2, 3, 4, 5], [1, [2], [3, [[4]]],[5,6]]));   
["1", "2", "3", "4", "5", "6"]  
console.log(difference([1, 2, 3], [100, 2, 1, 10]));   
["1", "2", "3", "10", "100"]  
[Click me to see the solution](https://www.w3resource.com/javascript-exercises/javascript-array-exercise-42.php)

**More to Come !**