**ARRAY programs**

1. [**Write a Program to read and print elements of array**](https://codeforwin.org/2015/07/c-program-to-read-and-print-elements-in-array.html)**. - using**[**recursion**](https://codeforwin.org/2016/03/c-program-to-print-elements-of-array-using-recursion.html)**.**
2. [**Write a Program to print all negative elements in an array**](https://codeforwin.org/2015/07/c-program-to-print-all-negative-elements-in-array.html)**.**
3. [**Write a Program to find sum of all array elements**](https://codeforwin.org/2015/07/c-program-to-find-sum-of-all-elements-of-array.html)**. - using**[**recursion**](https://codeforwin.org/2016/03/c-program-to-find-sum-of-array-elements-using-recursion.html)**.**
4. [**Write a Program to find maximum and minimum element in an array**](https://codeforwin.org/2015/07/c-program-to-find-maximum-and-minimum-element-in-array.html)**. - using**[**recursion**](https://codeforwin.org/2016/04/c-program-to-find-maximum-and-minimum-in-array-using-recursion.html)**.**
5. [**Write a Program to find second largest element in an array**](https://codeforwin.org/2015/11/c-program-to-find-second-largest-number-in-array.html)**.**
6. [**Write a Program to count total number of even and odd elements in an array**](https://codeforwin.org/2016/09/c-program-to-count-even-odd-elements-in-array.html)**.**
7. [**Write a Program to count total number of negative elements in an array**](https://codeforwin.org/2015/07/c-program-to-count-negative-elements-in-array.html)**.**
8. [**Write a Program to copy all elements from an array to another array**](https://codeforwin.org/2015/07/c-program-to-copy-all-elements-of-array-to-another.html)**.**
9. [**Write a Program to print all unique elements in the array**](https://codeforwin.org/2015/07/c-program-to-print-all-unique-element-in-array.html)**.**
10. [**Write a Program to count total number of duplicate elements in an array**](https://codeforwin.org/2015/07/c-program-count-number-of-duplicate-element-in-array.html)**.**
11. [**Write a Program to merge two array to third array**](https://codeforwin.org/2015/07/c-program-to-merge-two-array.html)**.**
12. [**Write a Program to find reverse of an array**](https://codeforwin.org/2015/07/c-program-to-find-reverse-of-array.html)**.**
13. [**Write a Program to put even and odd elements of array in two separate array**](https://codeforwin.org/2016/01/c-program-to-put-even-and-odd-elements-in-two-separate-array.html)**.**
14. [**Write a Program to search an element in an array**](https://codeforwin.org/2015/07/c-program-to-search-element-in-array.html)**.**
15. **[Write a Program to sort array elements in ascending or descending order](https://codeforwin.org/2015/07/c-program-to-sort-array-in-ascending-order.html).**
16. **[Write a Program to sort even and odd elements of array separately](https://codeforwin.org/2016/01/c-program-to-sort-even-odd-elements-of-array-separately.html).**
17. [**Write a Program to left rotate an array**](https://codeforwin.org/2017/03/c-program-to-left-rotate-array.html)**.**

**Array is 1 2 3 4 5 6**

**left rotate by 2**

**Output is : 3 4 5 6 1 2**

1. [**Write a Program to right rotate an array**](https://codeforwin.org/2017/03/c-program-to-right-rotate-array.html)**.**

**Array is 1 2 3 4 5 6**

**Right rotate by 2**

**Output is : 5 6 1 2 3 4**