

# 450 DSA Cracker

## Topics (/) / Array

Serial No.	Questions
1 ✓	Reverse the array ( <a href="https://www.geeksforgeeks.org/write-a-program-to-reverse-an-array-or-string/">https://www.geeksforgeeks.org/write-a-program-to-reverse-an-array-or-string/</a> )
2 ✓	Find the maximum and minimum element in an array ( <a href="https://www.geeksforgeeks.org/maximum-and-minimum-in-an-array/">https://www.geeksforgeeks.org/maximum-and-minimum-in-an-array/</a> )
3 ✓	Find the "Kth" max and min element of an array ( <a href="https://practice.geeksforgeeks.org/problems/kth-smallest-element/0">https://practice.geeksforgeeks.org/problems/kth-smallest-element/0</a> )
4	Given an array which consists of only 0, 1 and 2. Sort the array without using any sorting algo ( <a href="https://practice.geeksforgeeks.org/problems/sort-an-array-of-0s-1s-and-2s/0">https://practice.geeksforgeeks.org/problems/sort-an-array-of-0s-1s-and-2s/0</a> )
5	Move all the negative elements to one side of the array ( <a href="https://www.geeksforgeeks.org/move-negative-numbers-beginning-positive-end-constant-extra-space/">https://www.geeksforgeeks.org/move-negative-numbers-beginning-positive-end-constant-extra-space/</a> )
6	Find the Union and Intersection of the two sorted arrays. ( <a href="https://practice.geeksforgeeks.org/problems/union-of-two-arrays/0">https://practice.geeksforgeeks.org/problems/union-of-two-arrays/0</a> )
7	Write a program to cyclically rotate an array by one. ( <a href="https://practice.geeksforgeeks.org/problems/cyclically-rotate-an-array-by-one/0">https://practice.geeksforgeeks.org/problems/cyclically-rotate-an-array-by-one/0</a> )
8	find Largest sum contiguous Subarray [V. IMP] ( <a href="https://practice.geeksforgeeks.org/problems/kadanes-algorithm/0">https://practice.geeksforgeeks.org/problems/kadanes-algorithm/0</a> )
9	Minimise the maximum difference between heights [V.IMP] ( <a href="https://practice.geeksforgeeks.org/problems/minimize-the-heights3351/1">https://practice.geeksforgeeks.org/problems/minimize-the-heights3351/1</a> )
10	Minimum no. of Jumps to reach end of an array ( <a href="https://practice.geeksforgeeks.org/problems/minimum-number-of-jumps/0">https://practice.geeksforgeeks.org/problems/minimum-number-of-jumps/0</a> )
11	find duplicate in an array of N+1 Integers ( <a href="https://leetcode.com/problems/find-the-duplicate-number/">https://leetcode.com/problems/find-the-duplicate-number/</a> )

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12	Merge 2 sorted arrays without using Extra space. ( <a href="https://practice.geeksforgeeks.org/problems/merge-two-sorted-arrays5135/1">https://practice.geeksforgeeks.org/problems/merge-two-sorted-arrays5135/1</a> )
13	Kadane's Algo [V.V.V.V.V IMP] ( <a href="https://practice.geeksforgeeks.org/problems/kadanes-algorithm/0">https://practice.geeksforgeeks.org/problems/kadanes-algorithm/0</a> )
14	Merge Intervals ( <a href="https://leetcode.com/problems/merge-intervals/">https://leetcode.com/problems/merge-intervals/</a> )
15	Next Permutation ( <a href="https://leetcode.com/problems/next-permutation/">https://leetcode.com/problems/next-permutation/</a> )
16	Count Inversion ( <a href="https://practice.geeksforgeeks.org/problems/inversion-of-array/0">https://practice.geeksforgeeks.org/problems/inversion-of-array/0</a> )
17	Best time to buy and Sell stock ( <a href="https://leetcode.com/problems/best-time-to-buy-and-sell-stock/">https://leetcode.com/problems/best-time-to-buy-and-sell-stock/</a> )
18	find all pairs on integer array whose sum is equal to given number ( <a href="https://practice.geeksforgeeks.org/problems/count-pairs-with-given-sum5022/1">https://practice.geeksforgeeks.org/problems/count-pairs-with-given-sum5022/1</a> )
19	find common elements In 3 sorted arrays ( <a href="https://practice.geeksforgeeks.org/problems/common-elements1132/1">https://practice.geeksforgeeks.org/problems/common-elements1132/1</a> )
20	Rearrange the array in alternating positive and negative items with O(1) extra space ( <a href="https://www.geeksforgeeks.org/rearrange-array-alternating-positive-negative-items-o1-extra-space/">https://www.geeksforgeeks.org/rearrange-array-alternating-positive-negative-items-o1-extra-space/</a> )
21	Find if there is any subarray with sum equal to 0 ( <a href="https://practice.geeksforgeeks.org/problems/subarray-with-0-sum/0">https://practice.geeksforgeeks.org/problems/subarray-with-0-sum/0</a> )
22	Find factorial of a large number ( <a href="https://practice.geeksforgeeks.org/problems/factorials-of-large-numbers/0">https://practice.geeksforgeeks.org/problems/factorials-of-large-numbers/0</a> )
23	find maximum product subarray ( <a href="https://practice.geeksforgeeks.org/problems/maximum-product-subarray3604/1">https://practice.geeksforgeeks.org/problems/maximum-product-subarray3604/1</a> )
24	Find longest consecutive subsequence ( <a href="https://practice.geeksforgeeks.org/problems/longest-consecutive-subsequence/0">https://practice.geeksforgeeks.org/problems/longest-consecutive-subsequence/0</a> )
25	Given an array of size n and a number k, find all elements that appear more than " $n/k$ " times. ( <a href="https://leetcode.com/problems/majority-element-ii/">https://leetcode.com/problems/majority-element-ii/</a> )
26	Maximum profit by buying and selling a share atmost twice ( <a href="https://www.geeksforgeeks.org/maximum-profit-by-buying-and-selling-a-share-at-most-twice/">https://www.geeksforgeeks.org/maximum-profit-by-buying-and-selling-a-share-at-most-twice/</a> )
27	Find whether an array is a subset of another array ( <a href="https://practice.geeksforgeeks.org/problems/array-subset-of-another-array/0">https://practice.geeksforgeeks.org/problems/array-subset-of-another-array/0</a> )

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28	Find the triplet that sum to a given value ( <a href="https://practice.geeksforgeeks.org/problems/triplet-sum-in-array/0">https://practice.geeksforgeeks.org/problems/triplet-sum-in-array/0</a> )
29	Trapping Rain water problem ( <a href="https://practice.geeksforgeeks.org/problems/trapping-rain-water-1587115621/1">https://practice.geeksforgeeks.org/problems/trapping-rain-water-1587115621/1</a> )
30	Chocolate Distribution problem ( <a href="https://practice.geeksforgeeks.org/problems/chocolate-distribution-problem/0">https://practice.geeksforgeeks.org/problems/chocolate-distribution-problem/0</a> )
31	Smallest Subarray with sum greater than a given value ( <a href="https://practice.geeksforgeeks.org/problems/smallest-subarray-with-sum-greater-than-x/0">https://practice.geeksforgeeks.org/problems/smallest-subarray-with-sum-greater-than-x/0</a> )
32	Three way partitioning of an array around a given value ( <a href="https://practice.geeksforgeeks.org/problems/three-way-partitioning/1">https://practice.geeksforgeeks.org/problems/three-way-partitioning/1</a> )
33	Minimum swaps required bring elements less equal K together ( <a href="https://practice.geeksforgeeks.org/problems/minimum-swaps-required-to-bring-all-elements-less-than-or-equal-to-k-together/0">https://practice.geeksforgeeks.org/problems/minimum-swaps-required-to-bring-all-elements-less-than-or-equal-to-k-together/0</a> )
34	Minimum no. of operations required to make an array palindrome ( <a href="https://practice.geeksforgeeks.org/problems/palindromic-array/0">https://practice.geeksforgeeks.org/problems/palindromic-array/0</a> )
35	Median of 2 sorted arrays of equal size ( <a href="https://practice.geeksforgeeks.org/problems/find-the-median0527/1">https://practice.geeksforgeeks.org/problems/find-the-median0527/1</a> )
36	Median of 2 sorted arrays of different size ( <a href="https://www.geeksforgeeks.org/median-of-two-sorted-arrays-of-different-sizes/">https://www.geeksforgeeks.org/median-of-two-sorted-arrays-of-different-sizes/</a> )