

450 DSA Cracker

Topics (/) / Search & Sort

Serial No.	Questions
1	Find first and last positions of an element in a sorted array (https://practice.geeksforgeeks.org/problems/first-and-last-occurrences-of-x/0)
2	Find a Fixed Point (Value equal to index) in a given array (https://practice.geeksforgeeks.org/problems/value-equal-to-index-value1330/1)
3	Search in a rotated sorted array (https://leetcode.com/problems/search-in-rotated-sorted-array/)
4	square root of an integer (https://practice.geeksforgeeks.org/problems/count-squares3649/1)
5	Maximum and minimum of an array using minimum number of comparisons (https://practice.geeksforgeeks.org/problems/middle-of-three2926/1)
6	Optimum location of point to minimize total distance (https://www.geeksforgeeks.org/optimum-location-point-minimize-total-distance/)
7	Find the repeating and the missing (https://practice.geeksforgeeks.org/problems/find-missing-and-repeating2512/1)
8	find majority element (https://practice.geeksforgeeks.org/problems/majority-element/0)
9	Searching in an array where adjacent differ by at most k (https://www.geeksforgeeks.org/searching-array-adjacent-differ-k/)
10	find a pair with a given difference (https://practice.geeksforgeeks.org/problems/find-pair-given-difference/0)
11	find four elements that sum to a given value (https://practice.geeksforgeeks.org/problems/find-all-four-sum-numbers/0)
12	maximum sum such that no 2 elements are adjacent (https://practice.geeksforgeeks.org/problems/stickler-theif/0)

Serial No.	Questions
13	Count triplet with sum smaller than a given value (https://practice.geeksforgeeks.org/problems/count-triplets-with-sum-smaller-than-x5549/1)
14	merge 2 sorted arrays (https://practice.geeksforgeeks.org/problems/merge-two-sorted-arrays5135/1)
15	print all subarrays with 0 sum (https://practice.geeksforgeeks.org/problems/zero-sum-subarrays/0)
16	Product array Puzzle (https://practice.geeksforgeeks.org/problems/product-array-puzzle/0)
17	Sort array according to count of set bits (https://practice.geeksforgeeks.org/problems/sort-by-set-bit-count/0)
18	minimum no. of swaps required to sort the array (https://practice.geeksforgeeks.org/problems/minimum-swaps/1)
19	Bishu and Soldiers (https://www.hackerearth.com/practice/algorithms/searching/binary-search/practice-problems/algorithm/bishu-and-soldiers/)
20	Rasta and Kheshtak (https://www.hackerearth.com/practice/algorithms/searching/binary-search/practice-problems/algorithm/rasta-and-kheshtak/)
21	Kth smallest number again (https://www.hackerearth.com/practice/algorithms/searching/binary-search/practice-problems/algorithm/kth-smallest-number-again-2/)
22	Find pivot element in a sorted array (http://theoryofprogramming.com/2017/12/16/find-pivot-element-sorted-rotated-array/)
23	K-th Element of Two Sorted Arrays (https://practice.geeksforgeeks.org/problems/k-th-element-of-two-sorted-array/0)
24	Aggressive cows (https://www.spoj.com/problems/AGGRCOW/)
25	Book Allocation Problem (https://practice.geeksforgeeks.org/problems/allocate-minimum-number-of-pages/0)
26	EKOSPOJ: (https://www.spoj.com/problems/EKO/)
27	Job Scheduling Algo (https://www.geeksforgeeks.org/weighted-job-scheduling-log-n-time/)
28	Missing Number in AP (https://practice.geeksforgeeks.org/problems/arithmetic-number/0)

Serial No.	Questions
29	Smallest number with atleastn trailing zeroes infactorial (https://practice.geeksforgeeks.org/problems/smallest-factorial-number5929/1)
30	Painters Partition Problem: (https://practice.geeksforgeeks.org/problems/allocate-minimum-number-of-pages/0)
31	ROTI-Prata SPOJ (https://www.spoj.com/problems/PRATA/)
32	DoubleHelix SPOJ (https://www.spoj.com/problems/ANARC05B/)
33	Subset Sums (https://www.spoj.com/problems/SUBSUMS/)
34	Find the inversion count (https://practice.geeksforgeeks.org/problems/inversion-of-array/0)
35	Implement Merge-sort in-place (https://www.geeksforgeeks.org/in-place-merge-sort/)
36	Partitioning and Sorting Arrays with Many Repeated Entries (https://www.baeldung.com/java-sorting-arrays-with-repeated-entries)