|  |  |  |
| --- | --- | --- |
| **Topic:** | **Problem:** | **Done [yes or no]** |
|  |  | <-> |
| **Array** | [Reverse the array](https://www.geeksforgeeks.org/write-a-program-to-reverse-an-array-or-string/) | <-> |
| **Array** | [Find the maximum and minimum element in an array](https://www.geeksforgeeks.org/maximum-and-minimum-in-an-array/) | <-> |
| **Array** | [Find the "Kth" max and min element of an array](https://practice.geeksforgeeks.org/problems/kth-smallest-element/0) | <-> |
| **Array** | [Given an array which consists of only 0, 1 and 2. Sort the array without using any sorting algo](https://practice.geeksforgeeks.org/problems/sort-an-array-of-0s-1s-and-2s/0) | <-> |
| **Array** | [Move all the negative elements to one side of the array](https://www.geeksforgeeks.org/move-negative-numbers-beginning-positive-end-constant-extra-space/) | <-> |
| **Array** | [Find the Union and Intersection of the two sorted arrays.](https://practice.geeksforgeeks.org/problems/union-of-two-arrays/0) | <-> |
| **Array** | [Write a program to cyclically rotate an array by one.](https://practice.geeksforgeeks.org/problems/cyclically-rotate-an-array-by-one/0) | <-> |
| **Array** | [find Largest sum contiguous Subarray [V. IMP]](https://practice.geeksforgeeks.org/problems/kadanes-algorithm/0) | <-> |
| **Array** | [Minimise the maximum difference between heights [V.IMP]](https://practice.geeksforgeeks.org/problems/minimize-the-heights3351/1) | <-> |
| **Array** | [Minimum no. of Jumps to reach end of an array](https://practice.geeksforgeeks.org/problems/minimum-number-of-jumps/0) | <-> |
| **Array** | [find duplicate in an array of N+1 Integers](https://leetcode.com/problems/find-the-duplicate-number/) | <-> |
| **Array** | [Merge 2 sorted arrays without using Extra space.](https://practice.geeksforgeeks.org/problems/merge-two-sorted-arrays5135/1) | <-> |
| **Array** | [Kadane's Algo [V.V.V.V.V IMP]](https://practice.geeksforgeeks.org/problems/kadanes-algorithm/0) | <-> |
| **Array** | [Merge Intervals](https://leetcode.com/problems/merge-intervals/) | <-> |
| **Array** | [Next Permutation](https://leetcode.com/problems/next-permutation/) | <-> |
| **Array** | [Count Inversion](https://practice.geeksforgeeks.org/problems/inversion-of-array/0) | <-> |
| **Array** | [Best time to buy and Sell stock](https://leetcode.com/problems/best-time-to-buy-and-sell-stock/) | <-> |
| **Array** | [find all pairs on integer array whose sum is equal to given number](https://practice.geeksforgeeks.org/problems/count-pairs-with-given-sum5022/1) | <-> |
| **Array** | [find common elements In 3 sorted arrays](https://practice.geeksforgeeks.org/problems/common-elements1132/1) | <-> |
| **Array** | [Rearrange the array in alternating positive and negative items with O(1) extra space](https://www.geeksforgeeks.org/rearrange-array-alternating-positive-negative-items-o1-extra-space/) | <-> |
| **Array** | [Find if there is any subarray with sum equal to 0](https://practice.geeksforgeeks.org/problems/subarray-with-0-sum/0) | <-> |
| **Array** | [Find factorial of a large number](https://practice.geeksforgeeks.org/problems/factorials-of-large-numbers/0) | <-> |
| **Array** | [find maximum product subarray](https://practice.geeksforgeeks.org/problems/maximum-product-subarray3604/1) | <-> |
| **Array** | [Find longest coinsecutive subsequence](https://practice.geeksforgeeks.org/problems/longest-consecutive-subsequence/0) | <-> |
| **Array** | [Given an array of size n and a number k, fin all elements that appear more than " n/k " times.](https://www.geeksforgeeks.org/given-an-array-of-of-size-n-finds-all-the-elements-that-appear-more-than-nk-times/) | <-> |
| **Array** | [Maximum profit by buying and selling a share atmost twice](https://www.geeksforgeeks.org/maximum-profit-by-buying-and-selling-a-share-at-most-twice/) | <-> |
| **Array** | [Find whether an array is a subset of another array](https://practice.geeksforgeeks.org/problems/array-subset-of-another-array/0) | <-> |
| **Array** | [Find the triplet that sum to a given value](https://practice.geeksforgeeks.org/problems/triplet-sum-in-array/0) | <-> |
| **Array** | [Trapping Rain water problem](https://practice.geeksforgeeks.org/problems/trapping-rain-water/0) | <-> |
| **Array** | [Chocolate Distribution problem](https://practice.geeksforgeeks.org/problems/chocolate-distribution-problem/0) | <-> |
| **Array** | [Smallest Subarray with sum greater than a given value](https://practice.geeksforgeeks.org/problems/smallest-subarray-with-sum-greater-than-x/0) | <-> |
| **Array** | [Three way partitioning of an array around a given value](https://practice.geeksforgeeks.org/problems/three-way-partitioning/1) | <-> |
| **Array** | [Minimum swaps required bring elements less equal K together](https://practice.geeksforgeeks.org/problems/minimum-swaps-required-to-bring-all-elements-less-than-or-equal-to-k-together/0) | <-> |
| **Array** | [Minimum no. of operations required to make an array palindrome](https://practice.geeksforgeeks.org/problems/palindromic-array/0) | <-> |
| **Array** | [Median of 2 sorted arrays of equal size](https://practice.geeksforgeeks.org/problems/find-the-median0527/1) | <-> |
| **Array** | [Median of 2 sorted arrays of different size](https://www.geeksforgeeks.org/median-of-two-sorted-arrays-of-different-sizes/) | <-> |
|  |  | <-> |
|  |  | <-> |
| **Matrix** | [Spiral traversal on a Matrix](https://practice.geeksforgeeks.org/problems/spirally-traversing-a-matrix/0) | <-> |
| **Matrix** | [Search an element in a matriix](https://leetcode.com/problems/search-a-2d-matrix/) | <-> |
| **Matrix** | [Find median in a row wise sorted matrix](https://practice.geeksforgeeks.org/problems/median-in-a-row-wise-sorted-matrix1527/1) | <-> |
| **Matrix** | [Find row with maximum no. of 1's](https://practice.geeksforgeeks.org/problems/row-with-max-1s0023/1) | <-> |
| **Matrix** | [Print elements in sorted order using row-column wise sorted matrix](https://practice.geeksforgeeks.org/problems/sorted-matrix/0) | <-> |
| **Matrix** | [Maximum size rectangle](https://practice.geeksforgeeks.org/problems/max-rectangle/1) | <-> |
| **Matrix** | [Find a specific pair in matrix](https://www.geeksforgeeks.org/find-a-specific-pair-in-matrix/) | <-> |
| **Matrix** | [Rotate matrix by 90 degrees](https://www.geeksforgeeks.org/rotate-a-matrix-by-90-degree-in-clockwise-direction-without-using-any-extra-space/) | <-> |
| **Matrix** | [Kth smallest element in a row-cpumn wise sorted matrix](https://practice.geeksforgeeks.org/problems/kth-element-in-matrix/1) | <-> |
| **Matrix** | [Common elements in all rows of a given matrix](https://www.geeksforgeeks.org/common-elements-in-all-rows-of-a-given-matrix/) | <-> |