TECHNICAL EASY QUESTION

Array:

- Rearrange an array with alternate high and low elements
- Find a pair with the given sum in an array
- Find equilibrium index of an array
- Find majority element (Boyer–Moore Majority Vote Algorithm)
- Print all subarrays with 0 sum
- Find maximum length subarray havg a given sum
- Find maximum length subarray having an equal number of 0's and 1's
- Find all distinct combinations of a given length – I
- Find all distinct combinations of a given length – II
- Find all distinct combinations of a given length with repetition allowed
- Merging Overlapping Intervals
- Find minimum platforms needed to avoid delay in the train arrival
- Longest Increasing Subsequence Problem
- Iterative Implementation of Quicksort
- Sort elements by their frequency and index
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- Sort an array based on order defined by another arrayFind a triplet with the given sum in an array
- 4–Sum Problem | Quadruplets with a given sum
- Binary Search Algorithm – Iterative and Recursive Implementation
- Find the peak element in an array
- Activity Selection Problem
- Job Sequencing Problem with Deadlines
- Maximum Product Subset Problem
- Find pairs with difference k in an array | Constant Space Solution
- Find pairs with difference k in an array
- Quickselect Algorithm
- Check if a subarray with 0 sum exists or not
- 4–Sum Problem | Quadruplets with a given sum
- Print all distinct subsets of a given set
- K–Partition Problem | Printing all partitions
- 3–Partition Problem
- 3–partition problem extended | Printing all partitions
- Find the frequency of each element in a sorted array containing duplicates
- Replace each array element by its corresponding rank

- Group elements of an array based on their first occurrence
- Find all symmetric pairs in an array of pairs
- Find the count of distinct elements in every subarray of size k
- Print all subarrays of an array having distinct elements
- Find ways to calculate a target from elements of the specified array
- Find the minimum index of a repeating element in an array
- Check if an array is formed by consecutive integers
- Find two non-overlapping pairs having the same sum in an array
- Find two numbers with maximum sum formed by array digits
- Count distinct absolute values in a sorted array
- Find subarrays with a given sum in an array
- Find surpasser count for each array element
- Find the maximum absolute difference between the sum of two non-overlapping subarrays
- Print all combinations of numbers from 1 to n having sum n
- Find an index of the maximum occurring element with equal probability

Matrix:

- Find all occurrences of the given string in a character matrix
- Flood Fill Algorithm
- Count number of islands
- Find all paths from the first cell to the last cell of a matrix
- Find the probability that a person is alive after taking n steps on an island
- Find all common elements present in each row of a matrix
- Construct a binary tree from an ancestor matrix
- Find common elements present in all rows of a matrix
- Find the shortest distance of every cell from a landmine inside a maze
- Find duplicate rows in a binary matrix

Strings:

- Check if a string is a rotated palindrome or not
- Check if a repeated subsequence is present in a string or not
- Check if strings can be derived from each other by circularly rotating them
- Determine whether two strings are anagram or not
- Find all binary strings that can be formed from a wildcard pattern
- Find all interleaving of given strings
- Isomorphic Strings
- Find all possible palindromic substrings of a string

- Find all possible combinations of words formed from the mobile keypad
- Find all possible combinations by replacing given digits with characters of the corresponding list
- >Find all words that follow the same order of characters as given pattern
- Find first `k` non-repeating characters in a string in a single traversal
- Group anagrams together from a list of words
- Reverse text without reversing individual words
- Find the longest substring of a string containing `k` distinct characters
- Find all palindromic permutations of a string
- Find all substrings of a string that are a permutation of another string
- Find the longest substring of a string containing distinct characters
- Find all permutations of a string in C++ (Using Backtracking and STL)
- Find all lexicographically next permutations of a string sorted in ascending order
- Lexicographically Minimal String Rotation
- Find all n-digit binary numbers with k-bits set where `k` ranges from 1 to `n`
- Generate binary numbers between 1 to `n` using a queue
- Lexicographic rank of a string
- Shortest Superstring Problem
- Check if a string is interleaving of two other given strings
- Iterative approach to finding permutations of a string
- std::next_permutation | Overview and Implementation in C++