ARRAYS

1) Traversal
2) Insertion –/start/end/given index
3) Deletion- /start/end/given index
4) Searching
5) Largest Element in an array
6) Second Largest Element in an array
7) Check if Array is sorted or not
8) Reverse an Array
9) Remove Duplicates from Sorted Array
10) Move Zeros to End
11) Left Rotate an Array by D places
12) Leaders in an Array
13) Maximum Difference Problem with Order
14) Frequencies in a Sorted Array
15) Stock buy and sell Problem
16) Trapping rain water
17) Maximum subarray sum
18) Longest Even Odd Subarray
19) Maximum Circular Sum Subarray
20) Majority Element
21) Minimum Consecutive Flips
22) Sliding Window Technique
23) Prefix Sum Technique
24) Maximum Appearing Element
25) Range Sum Queries using Prefix Sum
26) Equilibrium index of an array
27) Left Rotate an Array by one Place
28) Linear Search

29) Find the Union
30) Find the Intersection
31) Find Missing number in an array
32) Maximum Consecutives Ones
33) Find the number that appears once, and the other numbers twice
34) Longest Subarray with Given Sum (positives +negatives)
35) 2 SUM Problem
36) Sort an Array of 0 1 and 2
37) Rearrange Array Element by Sign
38) Next Permutation
39) Longest Consecutive Sequence in an Array
40) Set Matrix Zeros
41) Rotate Matrix BY 90 Degree
42) Print the Matrix in Spiral Manner
43) Count Subarrays with Given Sum
44) Pascal Triangle
45) Majority Element (n/3)
46) 3 sum Problem
47) 4 SUM Problem
48) Largest Subarray with 0 Sum
49) Count Number of Subarray with Given XOR K
50) Merge Overlapping Sub Intervals
51) Merge Two Sorted Array Without Extra Space
52) Find the Repeating and Missing Numbers
53) Count Inversion
54) Reverse Pairs
55) Maximum Product Subarray