CODESHOWS

MODULE- 1
TOPIC - ARRAYS


Day
1

1. Largest Sum Contiguous Subarray (Kadane's Algorithm)
2. Add One To Number
3. Find Duplicate in Array
4. Next Permutation


Day
2

1. Shuffle an array according to the given order of elements
2. Largest Number
3. Set Matrix Zeroes with O(1) extra space


Day
3

1. Majority Element (Moore's Voting Algorithm)
2. Two Sum
3. Rotate Array
4. N/3 Repeat Number


Day
4

1. Maximum difference between two elements such that larger element appears after the smaller number.

2. Merge Intervals

3. Gas Station


Day
5

1. Two Pointers Technique
2. Pascal's Triangle
3. Sort Colors
4. Contiguous Array


Day
6

1. Trapping Rain Water (Watch all three parts from For All Epsilon channel)
2. Single Number
3. Find Permutation
4. Repeat and Missing Number Array


Day
7

1. Window Sliding Technique
2. Search a 2D Matrix
3. Rotate Matrix
4. Find the smallest positive number missing from an unsorted array


Day
8

1. Count Inversions in an array (Using Merge Sort)
2. Find common elements in 3 sorted arrays
3. 3 Sum


DAY
9

1. Prefix Suffix Sum Array [Implementations & Applications]
2. Maximum occurred integer in N ranges
3. Majority Element II
4. Flip


Day
10

1. Rearrange an array so that arr[i] becomes arr[arr[i]] with O(1) extra space

2. Single Number II

3. Max Distance


Day
11

1. Difference Array
2. Maximum Absolute Difference
3. Spiral Order Matrix II


DAY
12

1. Best Time to Buy and Sell Stock
2. Pascal's Triangle II
3. Reverse Pairs


EAT
SLEEP
CODE
REPEAT


THANK
YOU