**Topic: Arrays**

***Easy:***

1. Find the largest three elements in an array
2. Find Second largest element in an array
3. Move all zeroes to end of array
4. **Rearrange array such that even positioned are greater than odd**
5. **Rearrange an array in maximum minimum form using Two Pointer Technique**`
6. Segregate even and odd numbers
7. Rearrange an array such that arr[i] = i
8. Rearrange positive and negative numbers in O(n) time and O(1) extra space
9. Reorder an array according to given indexes

***Medium:***

1. Search an element in a sorted and rotated Array
2. Find the Rotation Count in Rotated Sorted array
3. K-th Largest Sum Contiguous Subarray
4. Find the smallest missing number
5. **Difference Array | Range update query in O(1)**
6. Maximum profit by buying and selling a share at most twice
7. Smallest subarray with sum greater than a given value
8. Inversion count in Array using Merge Sort
9. Sort an array of 0s, 1s and 2s
10. Merge two sorted arrays with O(1) extra space
11. Majority Element
12. Find a peak element
13. Find a triplet that sum to a given value
14. Minimum increment by k operations to make all elements equal

***Hard:***

1. **Find k numbers with most occurrences in the given array**

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**Topic: Linked List**

***Easy:***

1. **Linked List Cycle**
2. Reverse Linked List

***Medium:***

1. **LRUCache**
2. Rotate List
3. **Merge k Sorted Lists**
4. **LFU Cache**
5. **Design Circular Queue**

**Topic: String**

***Easy:***

1. Letter Combinations of a Phone Number

***Medium:***

1. Longest Palindromic Substring
2. **Substring with Concatenation of All Words**
3. **Edit Distance**
4. **Shortest Palindrome**

**Topic: Two Pointers Technique**

***Easy:***

1. **Two Pointers Technique**

***Medium:***

1. **The median of Two Sorted Arrays**
2. Container With Most Water

**Topic: Dynamic Programming**

***Medium:***

* 1. Minimum increment by k operations to make all elements equal

**Some General Practice Problems, found during prep**

1. Tower Of Hanoi
2. Product of Array Except Self.
3. Find sum of two numbers whose value is equal to given number.
4. Jump Game Problem (LeetCode 55)

***Need to Practice Love Babbar DS problems.***