ASSIGNMENT - 1
Searching and Sorting

0. Two people meet each other (Easy)

1. Find Majority Element (Medium)

2. Find Peak Element In Array (Medium)

3. Search in the sorted matrix (Medium)

4 Find first and last positions of an element in a sorted array (Medium)

5. C/C++ Program for Segregate 0s and 1s in an array (Easy)

6. Sort 0 1 2 (Medium)

7. Alternative Sorting (Easy)

8. K smallest Elements (Hard)

9. Counting Inversions (Hard)

10. GeeksForGeeks - Trapping Rain Water (Hard)

11. Stock Buy Sell to Maximize Profit (Medium)

12. Print a given matrix in the spiral form (Medium)

13. Kth smallest element in a row-wise and column-wise sorted 2D array | Set 1 (Hard)

14. Largest Sum Contiguous Subarray (Medium)

15. Minimum Number of Platforms Required for a Railway/Bus Station (Medium)

16. Find the Missing Number (Easy)

17. **Merge two sorted arrays** **(Easy)**
18. **Search an element in a sorted and rotated array** **(Medium)**

19. Create a dynamic array (Medium)

20. Find the smallest window in a string containing all characters of another string (Hard)

21. H/W: Implement Searching/Sorting Algorithms - Binary Search, QuickSort, Merge Sort.

Read about External Sort.