## ASSIGNMENT - 1 Searching and Sorting

- 0. Two people meet each other (Easy)
- 1. Find Majority Element (Medium)
- 2. <u>Find Peak Element In Array</u> (Medium)
- 3. Search in the sorted matrix (Medium)
- 4 Find first and last positions of an element in a sorted array (Medium)
- 5. <u>C/C++ Program for Segregate 0s and 1s in an array</u> (Easy)
- 6. <u>Sort 0 1 2</u> (Medium)
- 7. <u>Alternative Sorting</u> (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. <u>Largest Sum Contiguous Subarray</u> (Medium)
- 15. <u>Minimum Number of Platforms Required for a Railway/Bus Station</u> (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. <u>Find the smallest window in a string containing all characters of another string</u> (Hard)
- 21. H/W: Implement Searching/Sorting Algorithms Binary Search, QuickSort, Merge Sort.

Read about External Sort.