

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.