

Implement:

Hash-map

Sort

Bfs

Dfs

Stack

Queue

Binary search

1. Two sum I, II, III: hashmap & two pointer
2. Combination Sum
3. Reverse integer
4. Reverse string, Reverse words in a String I, II, III
5. Plus one
6. Group anagrams
7. Roman to integer
8. Merge Sorted Array
9. Median of two sorted arrays
10. Maximum sub array
11. Longest common prefix
12. Weighted Sampling

Stack & queue

13. Valid parenthesis
14. Implement queue using stacks
15. Implement stack using queues
16. Min stack

Linked list

17. Merge two sorted list
18. Reverse linked list
19. Copy list with random pointer
20. Linked list cycle

Backtracking

21. Combinations
22. Permutations I
23. Permutation II
24. Subsets

Tree

25. Binary tree preorder (inorder & postorder)

traversal

26. Binary tree level order traversal I
27. Binary tree level order traversal II
28. Minimum Depth of Binary Tree
29. Same tree
30. Symmetric tree

Binary search

31. Binary Search
32. Search in rotated sorted array

DP

33. Number of island
34. House robber
35. Climbing stairs
36. Best time to buy and sell stock