Arrays

1. Subarray with given sum ✅
2. Count the triplets ✅
3. Kadane’s Algorithm ✅
4. Missing number in array ✅
5. Merge two sorted arrays ✅
6. Rearrange array alternatively ✅
7. Number of pairs
8. Inversion of Array
9. Sort an array of 0s, 1s and 2s ✅
10. Equilibrium point
11. Leaders in an array
12. Minimum Platforms
13. Reverse array in groups
14. K’th smallest element
15. Trapping Rain Water
16. Pythagorean Triplet
17. Chocolate Distribution Problem
18. Stock buy and sell
19. Element with left side smaller and right side greater
20. Convert array into Zig-Zag fashion
21. Last Index of 1
22. Spirally traversing a matrix ✅
23. Largest Number formed from an Array

# String

1. Reverse words in a given string ✅
2. Permutations of a given string ✅
3. Longest Palindrome in a String ✅
4. Recursively remove all adjacent duplicates
5. Check if string is rotated by two places
6. Roman Number to Integer
7. Anagram ✅
8. Remove Duplicates ✅
9. Form a Palindrome
10. Longest Distinct Characters in the string
11. Implement Atoi
12. Implement strstr
13. Longest Common Prefix ✅

# Linked List

1. Finding middle element in a linked list ✅
2. Reverse a linked list ✅
3. Rotate a Linked List ✅
4. Reverse a Linked List in groups of given size
5. Intersection point in Y shaped linked lists
6. Detect Loop in linked list ✅
7. Remove loop in Linked List
8. n’th node from end of linked list
9. Flattening a Linked List
10. Merge two sorted linked lists
11. Intersection point of two Linked Lists
12. Pairwise swap of a linked list
13. Add two numbers represented by linked lists
14. Check if Linked List is Palindrome
15. Implement Queue using Linked List
16. Implement Stack using Linked List
17. Given a linked list of 0s, 1s and 2s, sort it
18. Delete without head pointer

# Stack and Queue

1. Parenthesis Checker ✅
2. Next smaller element ✅
3. Next larger element ✅
4. Sort stack ✅
5. Queue using two Stacks
6. Stack using two queues
7. Get minimum element from stack
8. LRU Cache
9. Circular tour
10. First non-repeating character in a stream
11. Rotten Oranges
12. Maximum of all subarrays of size k

# Tree

1. Print Left View of Binary Tree
2. Check for BST
3. Print Bottom View of Binary Tree
4. Print a Binary Tree in Vertical Order
5. Level order traversal in spiral form
6. Connect Nodes at Same Level
7. Lowest Common Ancestor in a BST
8. Convert a given Binary Tree to Doubly Linked List
9. Write Code to Determine if Two Trees are Identical or Not
10. Given a binary tree, check whether it is a mirror of itself
11. Height of Binary Tree
12. Maximum Path Sum
13. Diameter of a Binary Tree
14. Number of leaf nodes
15. Check if given Binary Tree is Height Balanced or Not
16. Serialize and Deserialize a Binary Tree

# Graph

1. Activity Selection
2. N meetings in one room
3. Coin Piles
4. Maximize Toys
5. Page Faults in LRU
6. Largest number possible
7. Minimize the heights
8. Minimize the sum of product
9. Huffman Decoding
10. Minimum Spanning Tree
11. Shop in Candy Store
12. Geek collects the balls

# DP

1. Minimum Operations
2. Max length chain
3. Minimum number of Coins
4. Longest Common Substring
5. Longest Increasing Subsequence
6. Longest Common Subsequence ✅
7. 0 – 1 Knapsack Problem
8. Maximum sum increasing subsequence
9. Minimum number of jumps
10. Edit Distance
11. Coin Change Problem
12. Subset Sum Problem
13. Box Stacking
14. Rod Cutting
15. Path in Matrix
16. Minimum sum partition
17. Count number of ways to cover a distance
18. Egg Dropping Puzzle
19. Optimal Strategy for a Game
20. Shortest Common Supersequence