DSA QUESTIONS

Array:

Easy:

1. Two Sum - Link
2. Remove Duplicates from Sorted Array - Link
3. Best Time to Buy and Sell Stock - Link
4. Plus, One - Link
5. Missing Number - Link
6. Maximum Subarray - Link
7. Move Zeroes - Link
8. Contains Duplicate - Link
9. Intersection of Two Arrays II - Link
10. Rotate Array - Link
11. Third Maximum Number - Link
12. Valid Palindrome - Link
13. Merge Sorted Array - Link
14. Maximum Product Subarray - Link
15. Minimum Size Subarray Sum - Link

Medium:

16. Product of Array Except Self - Link
17. Container With Most Water - Link
18. Search in Rotated Sorted Array - Link
19. Combination Sum - Link
20. Next Permutation - Link
21. Find First and Last Position of Element in Sorted Array - Link
22. 3Sum - Link
23. Spiral Matrix - Link
24. Merge Intervals - Link
25. Jump Game - Link

26. Set Matrix Zeroes - Link
27. Group Anagrams - Link
28. Word Search - Link
29. First Missing Positive - Link
30. Find Peak Element - Link

Hard:

31. Trapping Rain Water - Link
32. Best Time to Buy and Sell Stock III - Link 33. First Missing Positive - Link
34. Median of Two Sorted Arrays - Link
35. Jump Game II - Link
36. Longest Consecutive Sequence - Link
37. Minimum Window Substring - Link
38. Gas Station - Link
39. Meeting Rooms II - Link
40. Best Time to Buy and Sell Stock IV - Link

Searching:

Easy:

41. First Bad Version - Link
42. Search Insert Position - Link
43. Guess Number Higher or Lower - Link
44. Peak Index in a Mountain Array - Link
45. Search a 2D Matrix II - Link
46. Find Minimum in Rotated Sorted Array - Link
47. Find K Closest Elements - Link
48. First Missing Positive - Link
49. Search in Rotated Sorted Array - Link
50. Search a 2D Matrix - Link

Medium:

51. Divide Two Integers - Link

52. Median of Two Sorted Arrays - Link

53. Find Peak Element - Link

54. Find Kth Smallest Element in a Sorted Matrix -

Link 55. Search in Rotated Sorted Array II - Link

56. Find First and Last Position of Element in Sorted Array -

Link 57. First Missing Positive - Link

58. Search a 2D Matrix II - Link

59. Search Insert Position - Link

60. Search in Rotated Sorted Array - Link

Hard:

61. Search in Rotated Sorted Array II - Link

62. Median of Two Sorted Arrays - Link

63. Search a 2D Matrix II - Link

64. Find Minimum in Rotated Sorted Array - Link

65. Search in Rotated Sorted Array - Link

66. First Missing Positive - Link

67. Search Insert Position - Link

68. Find Peak Element - Link

69. First Bad Version - Link

70. Find First and Last Position of Element in Sorted Array - Link

Recursion:

Easy:

71. Climbing Stairs - Link

72. Fibonacci Number - Link

73. Reverse String - Link

74. Pow(x, n) - Link

75. Merge Two Sorted Lists - Link

76. Maximum Depth of Binary Tree - Link

77. Symmetric Tree - Link

78. Path Sum - Link

79. Subsets - Link

80. Generate Parentheses - Link

Medium:

81. Permutations - Link
82. Combinations - Link
83. Palindrome Partitioning - Link
84. Expression Add Operators - Link
85. Word Search - Link
86. Unique Paths - Link
87. Letter Combinations of a Phone Number - Link 88. Generate Parentheses - Link
89. Pow(x, n) - Link
90. Reverse Linked List - Link

Hard:

91. Regular Expression Matching - Link
92. Palindrome Partitioning II - Link
93. Expression Add Operators - Link
94. Word Search II - Link
95. Wildcard Matching - Link
96. Unique Paths III - Link
97. Decode Ways - Link
98. Regular Expression Matching - Link
99. Palindrome Partitioning II - Link
100. Expression Add Operators - Link

String:

Easy:

- Reverse String - Link
- Valid Anagram - Link
- Valid Palindrome - Link

- String to Integer (atoi) - Link
- Implement strStr() - Link
- Count and Say - Link
- First Unique Character in a String - Link
- Valid Parentheses - Link
- Longest Substring Without Repeating Characters -

Link • Longest Common Prefix - Link

Medium:

- Group Anagrams - Link
- Longest Palindromic Substring - Link
- ZigZag Conversion - Link
- Regular Expression Matching - Link
- Longest Valid Parentheses - Link
- Implement strStr() - Link
- String to Integer (atoi) - Link
- Palindrome Partitioning - Link
- Wildcard Matching - Link
- Valid Parentheses - Link

Hard:

- Regular Expression Matching - Link
- Longest Substring with At Least K Repeating Characters -

Link • Distinct Subsequences - Link

- Longest Palindromic Substring - Link
- Encode and Decode Strings - Link
- Palindrome Partitioning II - Link
- Text Justification - Link
- Longest Valid Parentheses - Link
- Longest Common Prefix - Link
- Minimum Window Substring - Link

Stack:

Easy:

- Min Stack - Link
- Valid Parentheses - Link
- Remove Outermost Parentheses - Link
- Implement Queue using Stacks - Link
- Implement Stack using Queues - Link
- Valid Parentheses - Link
- Remove Outermost Parentheses - Link
- Min Stack - Link
- Remove K Digits - Link
- Baseball Game - Link

Medium:

- Evaluate Reverse Polish Notation -

Link • Basic Calculator II - Link

- Daily Temperatures - Link
- Trapping Rain Water - Link
- Remove Duplicate Letters - Link
- Valid Parentheses - Link
- Longest Valid Parentheses - Link
- Simplify Path - Link
- Basic Calculator - Link
- Largest Rectangle in Histogram - Link

Queue:

Easy:

- Implement Stack using Queues -

Link • Design Circular Queue - Link

• Design Circular Deque - Link

• Implement Queue using Stacks - Link •

First Unique Character in a String - Link

• Design HashSet - Link

• Design HashMap - Link

• Implement Trie (Prefix Tree) - Link

• Implement Trie (Prefix Tree) - Link
• Sliding Window Maximum - Link

Medium:

• Shortest Subarray with Sum at Least K -

Link • Find K Pairs with Smallest Sums - Link

• Design Twitter - Link

• Number of Recent Calls - Link

• Implement Stack using Queues - Link

• Implement Queue using Stacks - Link

• First Unique Number - Link

• Sliding Window Median - Link

• Task Scheduler - Link

• Find the Most Competitive Subsequence - Link

Linked List:

Easy:

• Reverse Linked List - Link

• Middle of the Linked List - Link

• Merge Two Sorted Lists - Link

• Remove Nth Node From End of List -

Link • Palindrome Linked List - Link

• Intersection of Two Linked Lists - Link

• Design Linked List - Link

• Linked List Cycle - Link

• Flatten a Multilevel Doubly Linked List - Link
• Reverse Nodes in k-Group - Link

Medium:

• Add Two Numbers - Link

• Odd Even Linked List - Link

• Remove Linked List Elements - Link

• Copy List with Random Pointer -

Link • Swap Nodes in Pairs - Link

• Merge k Sorted Lists - Link

• LRU Cache - Link

• Palindrome Linked List - Link

• Design Linked List - Link

• Split Linked List in Parts - Link

Hard:

• Reverse Nodes in k-Group - Link

• LRUCache - Link

• Serialize and Deserialize Binary Tree - Link

• Merge k Sorted Lists - Link

• Copy List with Random Pointer -

Link • Merge Two Sorted Lists - Link

• LRU Cache - Link

- Palindrome Linked List - Link
- Design Linked List - Link
- Reverse Nodes in k-Group - Link

Tree:

Easy:

- Maximum Depth of Binary Tree - Link
- Validate Binary Search Tree - Link
- Symmetric Tree - Link
- Convert Sorted Array to Binary Search Tree - Link
- Minimum Depth of Binary Tree - Link
- Diameter of Binary Tree - Link
- Same Tree - Link
- Subtree of Another Tree - Link
- Invert Binary Tree - Link

201.Path Sum - Link

Medium:

- Binary Tree Inorder Traversal - Link
- Construct Binary Tree from Preorder and Inorder Traversal - Link • Construct Binary Tree from Inorder and Postorder Traversal - Link • Lowest Common Ancestor of a Binary Tree - Link
- Binary Tree Level Order Traversal - Link
- Validate Binary Search Tree - Link
- Binary Tree Zigzag Level Order Traversal - Link
- Path Sum II - Link
- Count Complete Tree Nodes - Link

• Flatten Binary Tree to Linked List - Link

Hard:

• Binary Tree Maximum Path Sum - Link

• Serialize and Deserialize Binary Tree - Link

• Construct Binary Tree from String - Link

• Populating Next Right Pointers in Each Node - Link

• Populating Next Right Pointers in Each Node II -

Link • House Robber III - Link

• Kth Smallest Element in a BST - Link

• Closest Binary Search Tree Value II - Link •

Convert Sorted List to Binary Search Tree - Link

• Maximum Binary Tree - Link

Graph:

Easy:

• Number of Islands - Link
• Valid Sudoku - Link
• Course Schedule - Link
• Is Graph Bipartite? - Link
• Friend Circles - Link
• Clone Graph - Link
• Pacific Atlantic Water Flow - Link
• Course Schedule II - Link
• Minimum Height Trees - Link
• Reconstruct Itinerary - Link

Medium:

• Word Ladder - Link

• Number of Connected Components in an Undirected Graph -

Link • Graph Valid Tree - Link

• Course Schedule III - Link

- **Alien Dictionary - Link**
- **Network Delay Time - Link**
- **Number of Islands II - Link**
- **Pacific Atlantic Water Flow - Link**
- **Reconstruct Itinerary - Link**
- **Course Schedule - Link**

Hard:

- **Number of Islands III - Link**
- **Bus Routes - Link**
- **Critical Connections in a Network - Link**
- **Evaluate Division - Link**
- **Number of Restricted Paths From First to Last Node -**

Link • Minimum Swaps to Group All 1's Together - Link

- **Swim in Rising Water - Link**
- **Optimize Water Distribution in a Village - Link**
- **Regions Cut By Slashes - Link**
- **Most Stones Removed with Same Row or Column - Link**