

TOP 100 MOST ASKED DSA QUESTIONS

1. Arrays

1. [Check if pair with the given Sum exists in Array](#) -  Easy
2. [Best Time to Buy and Sell Stock](#) -  Easy
3. [Find duplicates](#) -  Medium
4. [Product of Array Except Self](#) -  Medium
5. [Maximum Subarray](#) -  Easy
6. [Maximum Product Subarray](#) -  Medium
7. [Find Minimum in Rotated Sorted Array](#) -  Medium
8. [Search in Rotated Sorted Array](#) -  Medium
9. [3 Sum](#) -  Medium
10. [Container With Most Water](#) -  Medium
11. [Trapping Rain Water](#) -  Hard
12. [Chocolate Distribution Problem](#) -  Easy
13. [Insert Interval](#) -  Hard
14. [Merge Intervals](#) -  Medium
15. [Non-overlapping Intervals](#) -  Medium
16. [Set Matrix Zeroes](#) -  Medium
17. [Spiral Matrix](#) -  Medium
18. [Program to find the transpose of a matrix](#) -  Easy

2. Strings

19. [Word Search](#) -  Medium
20. [Longest Substring Without Repeating Characters](#) -  Medium
21. [Longest Repeating Character Replacement](#) -  Medium
22. [Smallest window in a String containing all characters of another String](#) -  Hard
23. [Check whether two Strings are anagram of each other](#) -  Easy
24. [Print all anagrams together](#) -  Medium
25. [Check if given Parentheses expression is balanced or not](#) -  Easy
26. [Sentence Palindrome](#) -  Easy
27. [Longest Palindromic Substring](#) -  Medium
28. [Palindromic Substrings](#) -  Medium
29. [Longest Common Prefix](#) -  Easy

3. Linked List

30. [Reverse a Linked List](#) -  Easy
31. [Detect Cycle in a Linked List](#) -  Easy
32. [Merge Two Sorted Lists](#) -  Easy
33. [Merge K Sorted Lists](#) -  Hard
34. [Remove Nth Node From End Of List](#) -  Medium

- 35. [Reorder List](#) - 🟡 Medium
- 36. [Add 1 to a number represented as a linked list](#) - 🟡 Medium
- 37. [Find the middle of a given linked list](#) - 🟢 Easy
- 38. [Delete last occurrence of an item from a linked list](#) - 🟡 Medium

4. Stacks and Queues

- 39. [Valid Parentheses](#) - 🟢 Easy
- 40. [Convert Infix expression to Postfix expression](#) - 🟡 Medium
- 41. [Next Greater Element](#) - 🟢 Easy
- 42. [Delete middle element of a stack](#) - 🟡 Medium

5. Trees

- 43. [Check mirror in an n-ary tree](#) - 🟢 Easy
- 44. [The Celebrity Problem](#) - 🟡 Medium
- 45. [Length of the longest valid substring](#) - 🟥 Hard
- 46. [Print Right View of a Binary Tree](#) - 🟡 Medium
- 47. [Find the first circular tour that visits all petrol pumps](#) - 🟡 Medium
- 48. [Maximum Depth of Binary Tree](#) - 🟢 Easy
- 49. [Check if two trees have the same structure](#) - 🟢 Easy
- 50. [Invert/Flip Binary Tree](#) - 🟢 Easy
- 51. [Binary Tree Maximum Path Sum](#) - 🟥 Hard
- 52. [Binary Tree Level Order Traversal](#) - 🟡 Medium
- 53. [Serialize and Deserialize Binary Tree](#) - 🟥 Hard
- 54. [Subtree of Another Tree](#) - 🟢 Easy
- 55. [Construct Binary Tree from Preorder and Inorder Traversal](#) - 🟡 Medium
- 56. [Validate Binary Search Tree](#) - 🟡 Medium
- 57. [Kth Smallest Element in a BST](#) - 🟡 Medium
- 58. [Lowest Common Ancestor of BST](#) - 🟢 Easy

6. Trie

- 59. [Implement Trie \(Prefix Tree\)](#) - 🟡 Medium
- 60. [Add and Search Word](#) - 🟡 Medium

7. Heap

- 61. [Top K Frequent Elements](#) - 🟡 Medium
- 62. [Find Median from Data Stream](#) - 🟥 Hard
- 63. [Largest triplet product in a stream](#) - 🟢 Easy
- 64. [Connect n ropes with minimum cost](#) - 🟡 Medium

8. Graphs

65. [Clone Graph](#) -  Medium
66. [Course Schedule](#) -  Medium
67. [Pacific Atlantic Water Flow](#) -  Medium
68. [Number of Islands](#) -  Medium
69. [Longest Consecutive Sequence](#) -  Hard
70. [Snake and Ladder Problem](#) -  Medium
71. [Detect Cycle in a Directed Graph](#) -  Medium
72. [Bridges in a graph](#) -  Hard
73. [Check whether a given graph is Bipartite or not](#) -  Medium
74. [Find size of the largest region in a Boolean Matrix](#) -  Medium
75. [Flood fill Algorithm](#) -  Easy
76. [Strongly Connected Components](#) -  Hard
77. [Topological Sorting](#) -  Medium

9. Dynamic Programming

78. [Count ways to reach the n'th stair](#) -  Easy
79. [Coin Change](#) -  Medium
80. [0/1 Knapsack Problem](#) -  Medium
81. [Longest Increasing Subsequence](#) -  Medium
82. [Longest Common Subsequence](#) -  Medium
83. [Word Break Problem](#) -  Medium
84. [Dice Throw](#) -  Medium
85. [Egg Dropping Puzzle](#) -  Hard
86. [Matrix Chain Multiplication](#) -  Medium
87. [Combination Sum](#) -  Medium
88. [Subset Sum Problem](#) -  Medium
89. [Find maximum possible stolen value from houses](#) -  Easy
90. [Count Possible Decodings of a given Digit Sequence](#) -  Medium
91. [Unique paths in a Grid with Obstacles](#) -  Medium
92. [Jump Game](#) -  Medium
93. [Cutting a Rod](#) -  Medium
94. [Maximum Product Cutting](#) -  Medium
95. [Count number of ways to cover a distance](#) -  Easy

10. Bit Manipulation

96. [Number of 1 Bits](#) -  Easy
97. [Counting Bits](#) -  Medium
98. [Missing Number](#) -  Easy
99. [Reverse Bits](#) -  Easy
100. [Find XOR of all subsets of a set](#) -  Medium