

In this Top 100 DSA interview questions, we have segregated the problems **based on the Data structure or algorithm used to solve them**. Without further delay, let us begin your interview preparations:

DSA Interview Questions on Array

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

DSA Interview Questions on Matrix

1. [Set Matrix Zeroes](#)
2. [Spiral Matrix](#)
3. [Program to find the transpose of a matrix](#)
4. [Word Search](#)

DSA Interview Questions on String

1. [Longest Substring Without Repeating Characters](#)
2. [Longest Repeating Character Replacement](#)
3. [Smallest window in a String containing all characters of other String](#)
4. [Check whether two Strings are anagram of each other](#)
5. [print all anagrams together](#)
6. [Check if given Parentheses expression is balanced or not](#)
7. [Sentence Palindrome](#)
8. [Longest Palindromic Substring](#)
9. [Palindromic Substrings](#)
10. [Longest Common Prefix](#)

DSA Interview Questions on Linked List

1. [Reverse a Linked List](#)

2. [Detect Cycle in a Linked List](#)
3. [Merge Two Sorted Lists](#)
4. [Merge K Sorted Lists](#)
5. [Remove Nth Node From End Of List](#)
6. [Reorder List](#)
7. [Add 1 to a number represented as linked list](#)
8. [Find the middle of a given linked list](#)
9. [Delete last occurrence of an item from linked list](#)

DSA Interview Questions on Stack & Queue

1. [Convert Infix expression to Postfix expression](#)
2. [Next Greater Element](#)
3. [Delete middle element of a stack](#)
4. [Check mirror in n-ary tree](#)
5. [The Celebrity Problem](#)
6. [Length of the longest valid substring](#)
7. [Print Right View of a Binary Tree](#)
8. [Find the first circular tour that visits all petrol pumps](#)

DSA Interview Questions on Tree

1. [Maximum Depth of Binary Tree](#)
2. [Check if two trees have same structure](#)
3. [Invert/Flip Binary Tree](#)
4. [Binary Tree Maximum Path Sum](#)
5. [Binary Tree Level Order Traversal](#)
6. [Serialize and Deserialize Binary Tree](#)
7. [Subtree of Another Tree](#)
8. [Construct Binary Tree from Preorder and Inorder Traversal](#)
9. [Validate Binary Search Tree](#)
10. [Kth Smallest Element in a BST](#)
11. [Lowest Common Ancestor of BST](#)
12. [Implement Trie \(Prefix Tree\)](#)
13. [Add and Search Word](#)

DSA Interview Questions on Heap

1. [Top K Frequent Elements](#)
2. [Find Median from Data Stream](#)
3. [Largest triplet product in a stream](#)
4. [Connect n ropes with minimum cost](#)

DSA Interview Questions on Graph

1. [Clone Graph](#)

2. [Course Schedule](#)
3. [Pacific Atlantic Water Flow](#)
4. [Number of Islands](#)
5. [Longest Consecutive Sequence](#)
6. [Snake and Ladder Problem](#)
7. [Detect Cycle in a Directed Graph](#)
8. [Bridges in a graph](#)
9. [Check whether a given graph is Bipartite or not](#)
10. [Find size of the largest region in Boolean Matrix](#)
11. [Flood fill Algorithm](#)
12. [Strongly Connected Components](#)
13. [Topological Sorting](#)

DSA Interview Questions on Dynamic Programming

1. [Count ways to reach the n'th stair](#)
2. [Coin Change](#)
3. [0/1 Knapsack Problem](#)
4. [Longest Increasing Subsequence](#)
5. [Longest Common Subsequence](#)
6. [Word Break Problem](#)
7. [Dice Throw](#)
8. [Egg Dropping Puzzle](#)
9. [Matrix Chain Multiplication](#)
10. [Combination Sum](#)
11. [Subset Sum Problem](#)
12. [Find maximum possible stolen value from houses](#)
13. [Count Possible Decodings of a given Digit Sequence](#)
14. [Unique paths in a Grid with Obstacles](#)
15. [Jump Game](#)
16. [Cutting a Rod](#)
17. [Maximum Product Cutting](#)
18. [Count number of ways to cover a distance](#)

DSA Interview Questions on Bit Manipulations

1. [Number of 1 Bits](#)
2. [Counting Bits](#)
3. [Missing Number](#)
4. [Reverse Bits](#)
5. [Find XOR of all subsets of a set](#)

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