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Amazon\xe2\x80\x99s most frequently asked interview questions | Set 2

- Difficulty Level :\nMedium
- Last Updated :\n22 Mar, 2022

Amazon\xe2\x80\x99s Most Frequently Asked Questions | Set 1\xc2\xa0

Level \xe2\x80\x93 Easy\xc2\xa0
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1. Get minimum element from the stack \xe2\x80\x93 Practice here
2. Serialize and deserialize a binary tree \xe2\x80\x93 Practice here
3. Print a binary tree in a vertical order \xe2\x80\x93 Practice here
4. Celebrity problem \xe2\x80\x93 Practice here
5. Level order traversal
6. Swap the kth element from starting and from the end position \xe2\x80\x93 Practice here
7. Binary tree to bst \xe2\x80\x93 Practice here
8. Max sum in the configuration \xe2\x80\x93 Practice here
9. Find the nth element of spiral matrix \xe2\x80\x93 Practice here
10. Count the number of occurrences in a sorted array
11. Find the smallest window in a string containing all characters of another string
12. Find the maximum of all subarrays of size k
13. Find the kth smallest element in row-wise and column-wise sorted matrix
14. Minimum swaps required to arrange pairs
15. There is an array of N numbers ranging from 1 to N. Only 1 number is missing, return the index of that number
16. Find the second largest and second smallest in a given array in a single traversal.
17. Find power(x,y) without using pow function.(divide and conquer approach required)
18. Count possible decoding sequence

Level \xe2\x80\x93 Medium\xc2\xa0
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1. Given two string print them inter leaving strings characters
2. Minimum cost required to travel from top left to the bottom right in a matrix
3. Maximum difference between node and its ancestors \xe2\x80\x93 Practice here
4. Min distance between two given nodes of a binary tree \xe2\x80\x93 Practice here
5. Find the number of island \xe2\x80\x93 Practice here
6. Topological Sort \xe2\x80\x93 Practice here
7. Detect cycle in a directed graph \xe2\x80\x93 Practice here
8. Flattening a link list \xe2\x80\x93 Practice here
9. Detect a loop in a linked list \xe2\x80\x93 Practice here
10. Check if a binary tree is BST or not
11. Min Cost path
12. Count ways to reach nth stair
13. Maximum Subarray Problem
14. Palindrome Partitioning
15. Given a binary tree find the minimum root to leaf height.
16. Implement LRU cache

Level \xe2\x80\x93 Hard\xc2\xa0

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1. Boolean parenthesis \xe2\x80\x93 Practice here
2. Maximum Index \xe2\x80\x93 Practice here
3. Largest Number formed in the array \xe2\x80\x93 Practice here
4. Find the length of maximum numbers of consecutive numbers jumped up in an array
5. Delete the elements in a linklist whose sum is equal to zero
6. Given a list of numbers of odd length design an algorithm to remove a number and divide the rest numbers equally so as it makes their sum same
7. Find diameter of a binary tree

Also see\xc2\xa0
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- Amazon Practice Questions
- Top topics for Interview Preparation

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