DATA STRUCTURE ALGORITHM QUESTIONS

Just simplified my experience here…

Hope it goona help you all…

Save this pdf and thanks me later

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Adobe Interview Process

Phone Screenings

A phone interview with a hiring manager

If you pass the phone screening, you'll have a phone interview for the first round. A recruiting manager will go over your résumé in further detail, evaluating your leadership abilities, problem-solving style, and ability to work as part of a team. Prepare to talk about previous projects you've worked on and describe the process and results.

Technical assessment

Successful candidates will be sent a link to an online technical assessment with up to 65 questions divided into two sections:

Aptitude and logic (45 questions, with 45 minutes to complete)

Technical and Coding (15-20 questions, with 75-120 minutes to complete)

Onsite Interview

Because the whole worldwide workforce is working from home during the pandemic, Adobe's final-round interviews are being conducted remotely. A typical onsite includes lodging, daily meal reimbursement, and transportation to headquarters.

These interviews are typically lengthier than off site interviews. Expect 6-8 hours of back-to-back sessions lasting around 45 minutes each. There will be four rounds of technical interviews and one final HR round. Each round is an elimination round; if you are dismissed early, you will not receive an offer.

HR Round

Behavioral and situational interview questions make up the last HR phase. While Adobe places a premium on cultural fit, behavioural inquiries are often saved for the last round. They'll want to learn more about you, such as what you value and what kind of employee you are.

Previously Asked Question

Easy Level

- Breadth First Traversal or BFS for a Graph
- How to check if two given line segments intersect?
- Copy set bits in a range
- Count all distinct pairs with difference equal to k
- Count Inversions in an array | Set 1 (Using Merge Sort)
- Design and Implement Special Stack Data Structure | Added Space Optimized Version
- Dynamic Programming | Set 18 (Partition problem)
- Equilibrium index of an array
- Find length of loop in linked list
- Check if a number is Palindrome
- Check if a given Binary Tree is SumTree
- Count pairs (a, b) whose sum of cubes is N (a^3 + b^3 = N)
- Count set bits in an integer
- Program for Binary To Decimal Conversion
- QuickSort

- Find the middle of a given linked list in C and Java
- Write an Efficient Function to Convert a Binary Tree into its Mirror Tree
- Write one line C function to find whether a no is power of two
- Write your own atoi()
- Find the Longest Increasing Subsequence in Circular manner
- Find the minimum element in a sorted and rotated array
- Find next greater number with same set of digits
- Implement Stack using Queues
- Level order traversal in spiral form
- Merge Sort for Linked Lists
- Find n'th node from the end of a Linked List
- Program for n'th node from the end of a Linked List
- Pascal's Triangle
- Print Right View of a Binary Tree
- Put spaces between words starting with capital letters
- Implement Queue using Stacks
- Remove duplicates from a sorted linked list
- Trapping Rain Water
- Write a function to reverse a linked list
- Reverse Level Order Traversal

- Reverse words in a given string
- Root to leaf path sum equal to a given number
- Search an element in a sorted and rotated array
- Serialize and Deserialize a Binary Tree
- Sort a linked list of 0s, 1s and 2s
- Sort an array after applying the given equation
- Sort an array of 0s, 1s and 2s

Medium Level

- A program to check if a binary tree is BST or not
- Check if a given array can represent Preorder Traversal of Binary Search Tree
- Combinational Sum
- Connect nodes at same level
- Detect Cycle in a Directed Graph
- Detect cycle in an undirected graph
- Dynamic Programming | Set 31 (Optimal Strategy for a Game)
- Find whether there is path between two cells in matrix
- Greedy Algorithms | Set 7 (Dijkstra's shortest path algorithm)
- Minimize the maximum difference between the heights

- Minimum number of jumps to reach end
- Multiply Large Numbers represented as Strings
- Nuts & Bolts Problem (Lock & Key problem)
- Quickhull Algorithm for Convex Hull
- Reverse a Linked List in groups of given size
- Given an a
- Find length of the largest region in Boolean Matrix
- Find next greater number with same set of digits
- Find the number of islands | Set 1 (Using DFS)
- Find smallest range containing elements from k lists
- Find the largest BST subtree in a given Binary Tree | Set 1
- Find the largest BST subtree in a given Binary Tree
- Maximum difference between node and its ancestor in Binary Tree
- Maximum size rectangle binary sub-matrix with all 1s
- Maximum size square sub-matrix with all 1s
- Merge K sorted linked lists
- Merge two BSTs with limited extra space
- Merge Overlapping Intervals
- Minimum number of jumps to reach end
- Minimum Number of Platforms Required for a Railway/Bus Station

Preparation Tips

1. Before the interview:

- Update your résumé and, in particular, your LinkedIn profile; if possible, include deliverablesand metrics as real examples of your accomplishments.
- Remember that everything you put on your CV might be used against you, so be sure youknow what you're doing.
- Spend at least two minutes talking about each point on your resume and mapping your accomplishments and past experiences to their fundamental values: genuine, extraordinary, innovative, and involved, as a good practise.

2. For the Interview:

- It's advisable not to try to memorise certain questions, in our opinion. There are no silver bullets in this world.
- Because firms of this size are continually striving to stay ahead of the curve and try new things, the questions they ask are constantly changing. The types of ques tions you'll be asked will vary depending on your team and the hiring manager.
- Instead, work your way through the foundations so you can grasp the underlying principles and confidently respond to even new types of interview questions.

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