

AMAZON INTERVIEW EXPERIENCE

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Round 1 - Online Assessment

Section A - Debugging

7 code snippets with some logical errors were given and we were supposed to make corrections .The questions were very easy.

Section B - Coding Round

In this section , we were given two coding problems which were to be solved within 70 minutes.

Question 1 :

<https://www.geeksforgeeks.org/count-of-subarrays-having-exactly-k-distinct-elements/>

Question 2:

<https://leetcode.com/problems/palindrome-partitioning/>

This was not the exact question but a variation of this problem. The questions were wrapped in some real life problem so the problem statement needs to be read very carefully.

Section C - Aptitude and Reasoning

Fairly easy questions were asked and time was sufficient but one needs to have some practise to maintain the accuracy.

Time - 35 minutes

Number of Questions - 24

Section D - Work Life Assessment

Around 50 personality based questions were asked and also questions were repeating. Try to stay truthful and keep Amazon's leadership principles in mind.

Round 2 - Technical Round 1

Platform - Amazon Chime

Duration - 1 hour

It started with some introduction and discussion on one of my projects and then 2 DSA questions were asked.

Question 1

<https://www.geeksforgeeks.org/find-whether-path-two-cells-matrix/>

This problem gave a feel of backtracking but on careful observation I noticed that it could be solved using BFS with better time complexity.

Question 2

<https://practice.geeksforgeeks.org/problems/kth-smallest-element5635/1>

This was a standard problem on heaps.

Round 3 - Technical Round 2

Platform - Amazon Chime

Duration - 1 hour

The interviewer introduced herself and asked for my introduction. She asked me to give optimal approach if I know any and write production ready code covering all the edge cases.

Question 1

<https://leetcode.com/problems/add-two-numbers-ii/>

While solving questions on linked list it is better to create a linked list on a notebook as it helps in visualization and handling of edge cases.

Question 2

<https://www.geeksforgeeks.org/count-distinct-elements-in-every-window-of-size-k/>

Round 4 - Bar Raiser Round

In this round 1 coding problem and few behavioural questions were asked.

Coding Question 1 :

Given a directed graph , check if it is a tree and return its root.

In this round , the main part is how you approach a complex problem and not the code. So , it is extremely important to keep discussing with the interviewer what you are thinking.

Behavioural Questions:

1. When was the last time you gave time more importance than the quality.
2. When was the last time you got stuck on a problem and how you dealt with it.

The interviewer will ask a lot of questions and technicalities to confirm if you are telling the truth so lying will only make the situation worse for you.

Things to keep in mind:

1. Understand the question well and make as many examples as possible.
2. While answering questions about time and space complexity, take some time and think thoroughly about it.
3. If given a very big or complex problem , it is a good practise to divide the problem into subproblems.
4. Know about the working of the data structure you are using.

5. While preparing , it is important to make good notes as they help you in quick revisions. If you won't revise then you will find difficulties even in the problems you have already seen before.

All the very best and you can contact me if you have any queries.