

b'

Amazon interview Experience | 411 (SDE-1)

- Difficulty Level : [Medium](#)
- Last Updated : 12 Jul, 2019

Round 1:

It was F2F round(DS and algorithms). They asked about me and my experiences in previous company. I have created couple of open source projects. Mentioning about them really impress the interviewer if it is really a good one. Then he continued with some data structure questions. I had two questions.

Question 1:

Given a tree asked to print the path of the tree which has the highest number of bends. Then he modified the question and asked me to code for both.

Question 2:

Given a tree with each node having numbers. Path from root to a leaf node forms a number like (root(1)->left(2)->leftLeaf(3) = 123). He asked me to code to add all the number for root to leaf.

This round went pretty well.

Round 2:

It was F2F round(Problem solving). There were two interviewers. They directly went for the process after introducing them. This round had 5 questions and was bit hard.

Question 1:

[Given 2D array for characters and a string, asked to find whether the string follows the pattern of the dictionary.](#) I will explain the pattern below.

2D array

|a|b|c|

|b|c|a|

|b|b|a|

String: bababbcac

\xc2\xa0

The pattern is, the words in the dictionary should be present in the string in same order and the letter taken by one word should not be the part of other dictionary word. We should find whether all the dictionary words can be formed or not in the given string.

Answer:

Let me index the string bababbcac \xe2\x80\x93 (1,2,3,4,5,6,7,8,9)

1st word in dictionary \xe2\x80\x93 abc follows 457

2nd word in dictionary \xe2\x80\x93 bca follows 268

2nd word in dictionary \xe2\x80\x93 bba follows 134

Question 2:

It was from dynamic programming in string stuff

If you like GeeksforGeeks and would like to contribute, you can also write an article using contribute.geeksforgeeks.org or mail your article to contribute@geeksforgeeks.org. See your article appearing on the GeeksforGeeks main page and help other Geeks.

Please write comments if you find anything incorrect, or you want to share more information about the topic discussed above.

My Personal Notes *narrow_drop_up*

Add your personal notes here

Save

,