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Amazon Interview Experience | Set 269 (1 year experienced for SDE-1)

Online Round: 2 Programming questions for 2 Hours

 Convert set of strings in number as given on phone keypad. String will contain only lower case characters. Print these strings with numbers in descending order of numbers, if numbers are same then lexicographical order of strings.

Input: amazon, rat,pat **Output:** 262966 amazon

728 pat 728 rat

2. In a M*N maze you can move in any direction(left,right,up,down). There are bomb on some positions. Starting from (0,0) find the number of moves require to exit from the maze. Exit point is (m-1,n-1). If its not possible then return -1. Similar to Minesweeper Game.

1st Round(F2F) 1hr:

Ask everything about project working at current company.

1. https://www.careercup.com/question?id=7449675 in-place. Had to write proper code for it.

2nd Round(F2F) 1hr:

Asked everything about project and lots of cross questions on the same. Interviewer gave me lots of scenarios related to my project and ask to solve then.

1. http://www.geeksforgeeks.org/sort-an-array-of-0s-1s-and-2s/ in place. He asked me if i knew the question, I said yes. Then he told me to write code covering all corner cases.

3rd Round(F2F) 1hr:

1. http://www.geeksforgeeks.org/find-a-pair-with-given-sum-in-bst/ . Asked all possible solutions and then asked to write code for it.

- 2. http://www.geeksforgeeks.org/merging-intervals/. Code for it.
- 3. http://stackoverflow.com/questions/14094914/count-the-number-of-occurrences-of-a-number-in-a-sorted-array. O(nlogn). Asked to explain the solution then to write the code.

4th Round(F2F) 2hr:

- 1. Correct a deformed BST. All kind of approaches and proper reasoning for each. Then asked to write the code.
- 2. Array question. similar to http://www.geeksforgeeks.org/given-a-string-find-its-first-non-repeating-character/.
- 3. http://www.geeksforgeeks.org/level-order-traversal-in-spiral-form/.

All the interviewers were very helpful. In all rounds for every question they were looking for what kind of approach you are going to use and proper reasoning for the same. Not just coding, neat and efficient coding was required because for each question at the end you have to code and they expect you not to miss edge cases.

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

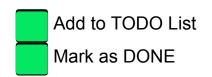
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qy · 2 days ago

Thank you a lot for sharing your experience!

I want to ask there are only 2 questions in online assessment, right? I have heard there are 3 sections in online assessment, just want to make sure because I received an online assessment 2 days ago and need to finish it in 3 days~



Atinesh Si - 4 days ago

Do we have to give Psuedocode or Code in a particular language like C, Python, Java etc



soumyajit bhattacharyay • 4 days ago

hey one thing by number of moves do you mean number of paths possible or just the moves to reach the end of the matrix?



Ankita ⋅ 4 days ago

First of all, thanks for sharing detailed experience. Can you please tell how did you apply for the interview?



Saurabh Suman → Ankita • 4 days ago

Currently Amazon is hiring in Mass as they are opening a new office in Bagamane constellation Park. So you could either search Amazon HR on LinkedIn or if you know someone from amazon may be your senior, super or any colleague. You can contact him/her.



Ankita → Saurabh Suman - 4 days ago

And while having a full-time job, how many hours daily did you manage for preparing?



Atul • 5 days ago

How much time you have been preparing for the interview?

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