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Amazon Interview Experience | Set 282 (On-Campus)

- Difficulty Level :\nMedium
- Last Updated :\n28 Jun, 2021

I have just entered my third year and Amazon was the first company to visit our campus for Software Internship. The process was :

ONLINE ROUND
2 Coding questions and 20 MCQs . The coding questions were:

1. https://www.geeksforgeeks.org/lexicographically-minimum-string-rotation/
2. It was an easy string question similar to finding that the parenthesis are balanced or not .
   Instead of the parenthesis , a and b were to be checked for , For eg)
   ababab is balanced ;Its a good string
   abbbaa is a bad string .

I had practised MCQS from\xc2\xa0https://www.geeksforgeeks.org/quiz-corner-gq/quiz-corner/ \xc2\xa0and many of the MCQs I had seen here before that were asked in the test. Sorting, hashing, complexity,\xc2\xa0recursion based MCQs were asked.

Also, 2 questions on OS , 1 on Networking and 1 on DBMS was present. I did not attempt these since there was negative marking .\xc2\xa0I solved around 14-15 MCQs and both the coding questions . (However, some students completing 1 were also selected .)

ROUND 1

1. https://www.geeksforgeeks.org/serialize-deserialize-binary-tree/
2. Spiral level order traversal of a binary tree from bottom level to top level.(I was allowed to use extra space(O(n)) .)

ROUND 2
This round was easier than the previous one for me and went smooth .

1. Set the rows and columns of a matrix equal to zero if an element in that row or column is zero (The elements could be positive or negative too). I told him the solution using O(n) space . He then asked me to do it without the auxiliary space and I told him that it was not possible . (A solution without space could be given if all the elements were either non-negative or non-positive)
2. Merge k sorted linked lists . I discussed the approach using priority queue . Then he proposed another method of merging two lists into one and then merging it with the next . I explained him the complexities of both the approaches and then wrote the code for priority queue approach . He was impressed.

I would like to thank **GeeksforGeeks** for providing a huge set of problems for practicing for interviews. The internship archives were extremely helpful . Also I practiced on\xc2\xa0https://practice.geeksforgeeks.org/ and interviewbit regularly in the summer break.

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