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Amazon Interview Experience | Set 289 (On-Campus for Internship)

- Difficulty Level :\nEasy
- Last Updated :\n19 May, 2021

Amazon was the first company to visit our university this year. They have taken 3 rounds for selecting students for internship program.\xc2\xa0

1. Online coding round : This was as usual. 2 coding questions and 20 MCQs. MCQs were from probability, permutation, output, tree, DBMS and OS.\xc2\xa0
Coding questions were easy. The first one was finding-next-greater-element-with-same-set-of-digits. I\xe2\x80\x99ve to implement the function long nextGreater(long n);\xc2\xa0
There were hidden test cases. That means, if you submit successfully, then also your code might be wrong. You\xe2\x80\x99ve to design and test your code.\xc2\xa0

Second question was easy, finf max(|Ai \xe2\x80\x93 i| \xe2\x80\x93 |Aj \xe2\x80\x93 j|) from an array with i!=j.\xc2\xa0

There were students who were not selected just because they answered only 3 or 4 MCQs. Actually, the selection was not done based on the coding questions. Two of my friends answered both the coding questions an didn\xe2\x80\x99t answer any MCQ and were not selected.\xc2\xa0

2. 2nd round was a F2F round.\xc2\xa0
The interviewer was very frank, friendly and helpful as well.\xc2\xa0

At first he gave me the problem of finding triplets in an array that adds up to a given value. I told him that I\xe2\x80\x99ve solved it before and he told me to explain the algorithm. I did.\xc2\xa0

Then he gave me another problem. Given a BST and a range, return all the elements in that range. I told him one recursive approach and I had to write the code on the paper. He told me that there are two bugs in the code, find it. Later I figured out and modified the code.\xc2\xa0

Then he gave me infix to postfix conversion and evaluation of postfix. I solved it but then he told me it was wrong. Then I\xe2\x80\x99ve to find out what was wrong with my code. I took an example and debugged my code.\xc2\xa0

Then he gave me a chance to ask him questions if I had. I asked him, \xe2\x80\x9cHow many hours do you code in a day?\xe2\x80\x9d He replied, \xe2\x80\x9cSometimes I don\xe2\x80\x99t write code at all, sometimes it is 12-16 hours.\xe2\x80\x9d He also mentioned that his wife doesn\xe2\x80\x99t like him. I told him, you should have married a CS girl. He was laughing. I asked some other questions and it was really an awesome conversation.\xc2\xa0

3. 3rd round was HR round. The interviewer started talking about the life and culture at amazon.\xc2\xa0

Then he asked me the problem of finding whether two nodes in a Binary tree are cousins or not. I was not able to solve it at first. I was nervous. I wrote the code but again it was wrong, he told me you\xe2\x80\x99ll get 2 more minutes for 5 times. But he gave more than 10 minutes to solve it. Actually he was trying to confuse me.\xc2\xa0

2nd question was a math question, it was easy and then he told me to implement insert method\xc2\xa0

of MaxHeap. I told him that I can\xe2\x80\x99t. I can use MaxHeap but I\xe2\x80\x99ve never implemented MaxHeap. He said, \xe2\x80\x9cThen implement it now.\xe2\x80\x9d I did and said, \xe2\x80\x9cHave you ever implemented MaxHeap insert method in O(1) time ?\xe2\x80\x9d He just stared at me and then I said, \xe2\x80\x9cI don\xe2\x80\x99t like remembering algorithms that I don\xe2\x80\x99t even understand. And I never needed this algorithm as well\xe2\x80\x9d.\xc2\xa0
Later I apologized for the arrogance that I showed. He asked me lot of questions like why do you want to work at amazon ? Then he gave me a chance to ask him questions. I asked the same question,\xc2\xa0
\xe2\x80\x9cHow long do you code ?\xe2\x80\x9d He said, \xe2\x80\x9cI don\xe2\x80\x99t write codes at all.\xe2\x80\x9d I said, \xe2\x80\x9cWhy ?\xe2\x80\x9d He said, \xe2\x80\x9cBecause I\xe2\x80\x99m the HR manager\xe2\x80\x9d I said, \xe2\x80\x9cI thought that there will be one more round and that\xe2\x80\x99ll be the HR round.\xc2\xa0
And I heard that the HR manager likes to ask mathematical questions\xe2\x80\x9d. He laughed and said, \xe2\x80\x9cI asked you one.\xe2\x80\x9d\xc2\xa0

And one advice that I can give you is that You don\xe2\x80\x99t need to know thousands of algorithms. Apply your brain to develop them because they\xe2\x80\x99ll give you sufficient time to do that. Remembering algorithms is a bad habit. And be confident and proud of what you already know. Thanks geeksforgeeks for giving me such an unexpected happiness.\xc2\xa0

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Please write comments if you find anything incorrect, or you want to share more information about the topic discussed above\xc2\xa0

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All Practice Problems for Amazon !\xc2\xa0

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