TRUMINDS SOFTWARE SYSTEMS

INTERVIEW EXPERIENCE

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Total Rounds - 3 [OA + Technical Round + Leadership Round]

Date : 13 september

ROUND 1 : Online Test

Time Duration - 1 hour 15 minutes

Platform - HackerEarth

Number of Questions - 16 MCQs and1 Programming Question

MCQs were based on Computer Science Fundamentals, DSA, OS, Aptitude, Questions of C#.

Programming question : You are given an integer K and a string S that contains lowercase   English alphabets of length N where

N%k = 0.

A special string is a string that follows a repeating pattern of K characters till the total length of string becomes N. For eg: S = abcdef and K = 2, then the special string can be ababab or bcbcbc or xyxyxy...

In order to convert the string, you can perform an operation on the string. Considering lowercase alphabets as circular, you can rotate the character of the string on either side in one operation. For eg - 'a' can be rotated to 'b' or 'z' in one operation. You can perform this operation any number of times on any character of the string.

Your task is to convert the string into a special string at the minimum cost.

ROUND 2 : TECHNICAL ROUND

Time Duration : 1 h 15 min

Platform : Microsoft Teams

- The Interview started with a brief introduction.
- He asked me to Write code to check whether a number is prime or not.
- Then he asked me to Write code for inheritance. Questions on constructor and super keyword were asked.
- Concepts from OS- Deadlock , examples of deadlock, semaphore, Difference between semaphore and mutex lock were asked.
- some question from DSA:

  https://www.geeksforgeeks.org/nth-node-from-the-end-of-a-linked-list/

  I told him my approach and he asked me to write the code.

https://www.geeksforgeeks.org/largest-subarray-with-equal-number-of-0s-and-1s/

Only approaches were discussed.

- Then he asked one puzzle on 100 rupee fake note.
- He asked me where I currently live and what location from Gurgaon, Hyderabad and Bangalore would be most comfortable to me.
- At last he asked me if I had any questions for him.

ROUND 3: LEADERSHIP ROUND

Time Duration : 30 Min

Platform : Microsoft Teams

1. The interview started with a basic introduction.
2. What is a Linked List, What is the difference between Singly Linked List and Double Linked List

3. If we are provided with a reference to a head of the Linked List and Doubly Linked List and we have to delete a node whose reference is given as well, in which case from the two this task will be more expensive and why?
4. Questions on c++ friend function, use of constructor, how to call a constructor, difference between new and malloc.
5. Then he asked me a puzzle.
6. After this, the CEO asked some questions on education and family background.
7. Why MCA? What do you know about Truminds and why do you want to join the company?
8. Then he asked about one of my projects, some questions related to the project.
9. At last he asked if I had any questions for him and the meaning of my name :D.

For any queries, contact: [*yashikagola.mca19.du@gmail.com*](mailto:yashikagola.mca19.du@gmail.com)
GOOD LUCK !!