INTERVIEW EXPERIENCE : TRUMINDS
GURDEEP SINGH (MCA)

Round 1 : Online Assessment (No Negative Marking) : 120 min
> Platform : Hakerearth
> Total no. of questions : 19
> No. of MCQ : 18
> No. of Programming question : 1

- MCQ's consisted of OS, DBMS, Quantitative Aptitude, reasoning and pseudocode output based questions.

- Coding Question :
  Recently, Bob med an article about bitwise operator.
  He came up with a problem and gave it to Alice to
  solve. However Alice is busy doing some work, hence
  solve the following problem for her

  You have an array of integers (initially empty)

  You are also given an array type where type, denotes the

  type of the ith query and array X where Xi, denotes the

  parameter of the ith query

  You have to perform Q queries on this array. Each

  query belongs to one of three types:

  type 1: 1X- Add the element X to the array

  type 2: 2X-Delete all the occurrences of X in the array

  type 3: 3 X-Print the sum of all the elements currently present in the array by taking bitwise XOR with X

.Round 2 : Technical Interview : 30-35 min
> Platform - Microsoft Teams
> 1. My Intro including my projects.
> 2. Questions on OS, OOPS, DSA and Computer networks like:
>   - Polymorphism

- What is socket and socket protocols(tcp,udp) as one of my project is based on socket.
- 3 way handshaking
- ARP
- What is Hashing?
- Exception vs error
- Types of constructor
- Thread vs Process
- MAC address
- Output question of constructor
- Hashmap
- Inheritance
- Multithreading in java etc.
3. He told me to share my screen and to open any IDE and gave me the following questions (not asked to compile the code):
   - Counting the characters in the string and print them like a:2, b:4(I gave hashmap solution directly)
   - Print the alphabet which has odd occurences and there is only one alphabet which has odd occurrence in the string. (I give counting approach,hashmap and then xor solution)

1st round interviewer is good and friendly natured.

Round 3 : Leadership Discussion : 35 - 40 min

Platform - Microsoft Teams
- My intro including my projects
- polymorphism
- JDBC discussion
- Maps in c++
- Try catch
- What do you know about the Truminds?
- Why to join truminds?

Some Suggestions:
- Firstly prepare Computer Fundamentals (OS, CN and DBMS) and OOPS(javatspoint,interviewbit).
- Do DSA questions on leetcode, gfg etc. (you can do striver's DSA sheet)
- You should know all about your projects.
- Improve your communication skills by practicing.

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