

# TRUMINDS INTERVIEW EXPERIENCE

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### ROUND 1:

This was an Online Assessment Round .

Platform: Hackerearth

Duration: 120 mins

There were 18 multiple choice questions (CS Fundamentals, OS, Networks, Aptitude and Logical ability).

There was only 1 programming question.

### ROUND 2: TECHNICAL ROUND

The interviewer was at a position of Technical Lead.

1. The interviewer started with my introduction.
2. What are stacks and queues?
3. Implement a stack using 2 queues.
4. Find the middle node of the linked list.
5. What is context switching?
6. What is critical section?
7. What are semaphores?
8. What are virtual functions?
9. What are constructors?
10. What is function overloading and function overriding?
11. Write a program to reverse a singly linked list.

12. What is the difference between a null pointer and void pointer?
13. What is min heap and max heap?

### ROUND 3: TECHNICAL AND LEADERSHIP ROUND

The interviewer was the CEO and Founder of the company.

1. Started with introduction and some general conversation.
2. What is a friend function?
3. What are virtual functions?
4. What is thrashing (OS)?
5. What is context switching?
6. What is IPC? Various methods through which the processes can communicate. (This is an extremely important question)
7. There was a discussion of sockets in IPC, so he asked about socket programming, and the steps involved at the end of client and server.
8. What is TCP and UDP?
9. He asked me how much familiar I'm with Linux OS. He was putting extreme emphasis on Linux OS, as it's really important for the future.
10. Lastly, he asked me to write a program to check whether a string is a palindrome or not.

I had some questions for him:-

1. What they're expecting from a fresher?

2. What was the mission and driving force behind the foundation of Truminds?

\*CS fundamentals especially operating systems, OOPs and computer networks are extremely important for this company, they were putting more emphasis on CSF.

\* Rest they can ask anything, so prepare well for DSA( standard popular questions are more than enough) and CSF.