PropTiger

Round 1: Online test comprising of 30 questions and 3 sections (Logical, Quant, Technical). In technical sections- questions were bases on transaction, DBMS, operating system etc. 26 people were shortlisted after this round.

Round 2:

Q1: Tell me something about yourself. While I was answering that, he was going through my resume.

He started asking me basic Questions on DS and Algorithms. Some of those were:

Q2: Next greater element in the array for every element in the array. (I gave him multiple approaches.)

Q3: Given two sorted linked list. Merge them in descending order.

Q4: Find the local maxima in the array (any).

Q5: Find elements which are greater than all other elements on its right. (That's Leaders in the array.)

After this he asked me basic things from Java (Possibly because my Projects were in java). Mainly the discussion was on these topics:-

- Use of final keyword. (Explained all three uses with examples.)
- He had a question prepared- reassigning final object (which would give complier error) and modification of the content of final object (which runs fine).
- Difference between java and C++.

Then he asked If I had watched all episodes of GOT (I had mentioned it before. :P :D)

Finally he asked if I had any questions. I had many!! So I clarified all my doubts regarding the company, my role in the company, technologies I will be working with and work environment related stuff.

Round 3:

Again round started with basic discussion- tell me about yourself? How was the previous interview? The toughest question asked in the previous interview?

After that we had discussions about my projects which included both java and C++ ones. He asked about projects which were not part of curriculum.

Then he made me write a SQL query which was pretty simple (Based on LIMIT).

After that it was just language discussion. The topics covered were as follows:-

- Java vs C++.
- Byte code and platform independence.
- What is JVM? Can we have CVM for C++ on same lines?
- Virtual keyword
- Virtual constructors
- Virtual destructors
- How is virtual handled in Java? (By default every function is virtual in Java.)
- Final keyword. Why would we make a class final? (To make in non inheritable. But he was looking for something more. Just google it and you will get it. ☺)
- Most important feature of Java.
- Garbage collection
- Wrapper classes.

After this we had a good long discussion about how things work in the company. Future prospects of the company. Technologies worked upon and work culture.

Round 4: This was HR round. So as expected a lot of discussion about me(Tell me something about yourself, about my mom and dad etc etc). He explained the whole mechanism of how the company works and many other issues were discussed.

Tips:

- Prepare DBMS properly. I wasn't asked much from it but my fellow mates were.
- Prepare One Language properly.
- Be energetic and inquisitive all the time.

  All the best !!! Good Luck! ☺