

INFORMATICA INTERVIEW EXPERIENCE

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MCA

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Round 1: Online Assessment (45 mins)

This round was scheduled 3 days before the interview rounds.

Total of 30 MCQs were asked mainly from the DBMS, OOPs, C/C++, Data Structures.

Total of 31 students cleared this round.

Round 2: Technical Interview (45 mins)

The interviewer started by introducing himself following with my introduction. I gave a short and crisp introduction.

Then he directly went for the DSA questions.

Question 1: Count the remaining days for the next day with higher temperature.

<https://www.geeksforgeeks.org/count-of-days-remaining-for-the-next-day-with-higher-temperature/>

Gave the first solution with the brute force approach using two nested for loops. He asked me to optimize it further, gave another solution using the stack.

Then, I was asked to code. I used notepad for coding, did dry run on some of the inputs. It was working correctly.

Question 2: This was scenario-based question.

Suppose, there are two people with same name (first and last), same age, same height, same birthday date. How will you be able to track their details?

At first, I did not understand the question, asked few follow-up questions and was able to get it. So, basically, he was asking to write down a hash function that return different keys for the different person with the same attributes.

This question was more of discussion. I came up with different approaches and we discussed their efficiency and how to implement them.

Round 3: Technical Interview (1hr)

This round started with me explaining the projects, as the interviewer was aware of the tech stacks that were used in the projects.

He asked me to explain all the 3 projects. I explained them well, as the projects were strong point for me. I was able to answer almost every question that were asked from the projects.

Then I was asked to code a pattern.

A1

B1 B2

C1 C2 C3 C4

D1 D2 D3 D4 D5 D6 D7 D8

He framed this question in tree format. At first, I thought it is a tree question but it was just a pattern.

I implemented this on an online platform. Then, he asked me to reverse the pattern.

D8 D7 D6 D5 D4 D3 D2 D1

C4 C3 C2 C1

B2 B1

A1

After running the above part successfully, some fundamental questions were asked.

- What is polymorphism?
- What is thrashing?
- Page replacement algorithms? Belady's anomaly?
- What is a port?
- Different types of cache?
- What is the difference between var, let and const? (JavaScript)
- What is indexing? Types of indexing?
- Difference between TCP and UDP?

Questions were mainly from the DBMS, CN, OOPs, and Operating System.

Round 4: Hiring Manager Round (30 mins)

Started with the introduction from both the sides.

Jumped to the DSA question.

Question 1: Given a paragraph find it which word has the highest count of occurrence.

Did not waste time, gave the optimized approach using the HashMap. Coded it on notepad, did dry run on some of the inputs.

Question 2: Rotate a matrix by 90 degrees.

<https://leetcode.com/problems/rotate-image/>

I was asked to code this question also.

He asked me some fundamental questions like, what is function pointer, what is runtime polymorphism, what is B Trees.

Round 5: HR Round (On phone call)

Was asked to explain my projects, talk about my area of interest, hobbies. Then he talked about the informatica in detail, what they do and asked whether you open to reallocate.

Key Takeaways

- Do not give up on question easily, try asking follow-up question and get the clear idea what the interviewer is asking for.
- Every line, point that you have written in your resume can become a question, so have a good knowledge of your tech stack used in your projects.
- See frequently asked question in the interviews.
- Ask for feedback at the end of the interview, as it can help you point out your mistakes and boost up your confidence.
- Practice explaining part with your friends/alumni because that is very much important to put out your thoughts.