

Himanshu Dewan (MCA) - Infoedge

Round 1 : Online Assessment (OA), 22nd July 2022, 94 mins

OA was conducted on deselect.com

6 sections, each section having a time limit. After submitting a section, you can't come back to it later.

Section 1: One Coding Question, 25 mins (EASY)
It was a greedy question but you can easily solve it.

Section 2: One Coding Question, 45 mins (MEDIUM)

<https://www.geeksforgeeks.org/lexicographically-smallest-string-possible-by-inserting-given-character/>

(Slight variation of it)

Section 3: MCQs based on DSA, Output of program, 6 Questions, 6 mins (Eg Time Complexity of Tower of Hanoi) (EASY)

Section 4: MCQs based on Linux, 6 Questions, 6 mins (MEDIUM)

Section 5: MCQs based on DBMS and SQL, 6 Questions, 6 mins (Normalisation Questions ,Functional Dependency , Based on ACID Properties) (EASY)

Section 6: MCQs based on Networking/Cyber Security, 6 Questions, 6 mins

Time is very crucial factor in section 3 - 6

25 students were selected for further rounds

Round 2 : Technical Round 1

This round began with my introduction.

Then he quickly moved to DSA question

<https://www.geeksforgeeks.org/longest-sub-array-sum-k/>

I asked the question will array contain negative number.

He said first solve for positive number and then for both.

I started with brute force solution of $O(N^3)$ and $O(N^2)$

Then optimised it using variable size sliding window $O(N)$

Also told him about prefix sum approach for negative numbers . $O(N)$

He made me dry run this on 2 examples and I did the same.

Then he told me code the solution. I did and then he made me run the code on 2 test cases .

As code was covering all edge cases so he said i am satisfied with solution.

Feedback : Asked DS questions. He was able to solve problems with good analytical skills. He is strong in data structures and coding.

Round 3 : Technical Round 2, 20 - 25 Minutes

This round began with a short introduction of mine

To my surprise she told me let us start with aptitude questions

<https://www.easytutorial.in/question/50266>

What is the largest six digit number divisible by 12? (Told him start with 999999 and loop backwards and divide by 12)

She told me do you want try finding the exact number . I told her **NO** . We can use loop

<https://www.toppr.com/ask/question/how-many-times-are-the-hands-of-a-clocks-coincide-in-a-day/>

Then he told me explain my project . I explained to her but she did not ask other question on it. As explained it in very lucid and clearly .

She Asked me do you know JavaScript (I did not mentioned it in my skills but my project was using it) I told her i know only basics and mainly app is built using ruby on rails

She then asked basic JAVA questions and OOPS concepts(4 Pillers , Method Overriding,Overloading) .

She then moved to SQL

1, Difference between DELETE , DROP , TRUNCATE

2 , What are Triggers

And some more questions related to it

Round 4 : Technical Round 3 (1 Hour 5 mins)

This round was with Senior VP

This round began with my introduction and then he introduced himself.

He then moved to DSA

1. <https://www.geeksforgeeks.org/reverse-a-list-in-groups-of-given-size/>

Told him recursive approach . Asked space and time complexities of it .

He Asked me to code it but i told him a more optimal solution and told it using iterative solution.

Dry run the iterative approach

He Really liked that solution and then we moved to another solution.

2 . <https://leetcode.com/problems/search-in-rotated-sorted-array/>

Told him about single pass binary search solution and coded it (in notepad) but he proposed whether we can reduce if else statements. But I told him that wont be possible we had a long discussion where he was giving examples where without certain check conditions it will work and i was trying to give counter examples . Had a very good discussion on it.

3 . <https://www.geeksforgeeks.org/lru-cache-implementation/>

This was the best round for me

Feedback

- “1. Very good in problem solving and analytical skills.
- 2. Solved the design problem with in depth analysis of each decision point
- 3. Structured thought process
- 4. Articulative”

Round 5: HR Round (10 Mins)

- Introduce yourself
- Experience in previous rounds
- Why Infoedge and What do you know about Infoedge ?
- Tell me about any 2 non-technical strengths and one area of improvement ?
- Where do you stay currently? Whether comfortable with coming to Noida

Result: Selected

Tips

1. Listen to the problem carefully.
2. Tell the solution in the most articulative way .
3. Revise Core CS fundamentals as well
4. Chill and Relax , Be Confident

Thank You