

IDFC First Bank

Online assessment :


- Two coding problem
- 10+ MCQ (All core subjects like oops, dbms, cn)

Coding question 1 (Note : Not only python, screenshot for reference)

Question:

Write a Python program to calculate the sum of numbers present on both diagonals of an $n \times n$ spiral matrix (where n is an odd number). For example, if $n = 5$, the spiral looks like this:

```
21 22 23 24 25
20 7 8 9 10
19 6 1 2 11
18 5 4 3 12
17 16 15 14 13
```

 Copy code

The sum of both diagonals here is 101.

2. Coding question 2 (Simple)

Reverse the string

Interview

Round 1: Technical (58 students shortlisted from OA)

No. of. Interviewer : 2

1. I start with my intro, then they asked DSA question.
Question:
Find if the linked list is circular or not. They asked to write the code.
2. They asked to write the full database schema from one of my project followed by they asked me to write 2 sql queries to fetch some data. (The query mostly focused on “joins”. Be strong in joins)
3. They asked me to explain my project. I explained it using star method.

The first round is over. I asked some feedback from them.

Round 2 : Technical (18 students shortlisted from 1st round)

No. of. Interviewer : 3

1. As usual started with intro, as I said, I’m strong in DSA, he asked one DSA question.

Question:

Given with folder and file structure of Google docs. Asked me to write a **clean working code** to find the particular file.

Approach:

Use any traversal and choose a perfect data structure to store the file and sub folders.

2. They asked detailed explanation of my app development project(flutter + firebase). They asked the full workflow and how firebase is working.
3. DBMS. They give 5 tables that have the details of facebook post.
Table 1 : User(user_id, user_name,psswd)
Table 2: Post(user_id, post_id, post_content, post_image, date, time, updated_date, updated_time)
Table 3 : Likes (like_id, user_id(id of those who liked), post_id)
Table 4: Share (share_id, user_id(id of those who shared), post_id)
Table 5: Comments (comment_id, user_id(id of those who commented), post_id, comment)

Asked me to write a SQL query to display the count of likes, shares and comments of 10 post which is posted recently.

Approach:

I wrote a SQL query where I used 3 joins. The query was correct but interviewer is not satisfied because it is not optimized. Then I stuck with optimizing the query, then the interviewer gave me a hint to change something in DB schema.

I denormalized the schema, but not satisfied answer. Then I gave the most closest answer but not exactly correct.

Correct approach is creating new table for just storing count of likes, share, comment. (Think out of box)

Follow up question:

In the given DB, when it will throw error for a particular input and how will you handle it. I forgot the exact input, but answer is somewhat like using constraint and exception to handle it.

I answered it easily.

The interview was overed. I leave the panel by clarifying some doubt to show my eagerness to learn.

ROUND 3 : Leadership round **Virtual** (2 students shortlisted from round 2)

No. of. Interviewer : 1

1. As usual intro
2. Asked me to develop a simple flutter page but I have the privilege to use AI. He just want to know whether I can use flutter and run it properly.
3. Since it was a leadership round, he only asked technical question. So, I asked "what about leadership questions ". He answered, "no it enough". So no leadership related question was asked.

Interviewer asked me whether I have question. I asked 2 questions.

1. Since they mentioned, it was a leadership round. I asked “what are the leadership quality should I want to join IDFC First Bank”.
2. To show my interest and knowledge about IDFC First Bank, I asked about the **hologram customer support** project of IDFC First Bank and I appreciated it was innovative move.

(Note: Before going to interview, explore new technologies or project that the company is currently working on).

After that interviewer explained the technologies and advancement in IDFC First Bank and interview overed.

Round 4 : HR round **Virtual** (2 students from 3rd round)

No. of. Interviewer : 1

Questions:

1. Introduction (Describe my personality)
2. What you expect from your manager ?
3. How will you react if your manager ask update for every 10 minutes and not behaving friendly ?
4. Mention any factor that will make you disappoint after joining IDFC First Bank.

My answer:

1. Gave my intro in the perspective of my personality, avoided most of the technical content in this intro.
2. Freedom to express my innovative ideas, he/she should mentor me to implement that idea if it is feasible and comes under terms & condition of IDFC First Bank.

3. I'll explain the scenario politely that I should make progress to show you update and try to make him understand .
4. I'll disappoint, if I were put in a project where I have to do a repetitive same task forever. I want to work in new innovative projects which involves learning and new technologies.
I'll also disappoint if I asked to work from home because I like to work with people together, interact with them and building network.

Interview got overed.

After two days result was announced:

Two students select and I'm one of that. I was very happy.

My preparation and tips:

1. I'm strong in DSA, solved questions from Striver's A2Z.
2. Usual preparation for core subjects, not much special.
3. I know everything clearly what I mentioned in my resume.
Allocate time for resume preparation and study.

I take atleast 1 mock interview per week in pramp. It helped me a lot technically and improved my communication.

Link: <https://www.pramp.com/>

All the very best !

Regards,
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