InfoEdge Interview Experience

Paras Pant (M. Sc.)

Round 1 (Do-Select Platform)

There were 6 sections and each with a sectional time limit.

The Problems were different for everyone.

1st section : 1st question is 25 minutes DSA question(Medium)

2nd section: 2nd question is 45 minutes DSA question.(Hard)[I was able to solve hard one only]

Other 4 sections: MCQs based on DBMS, Linux, Time Complexity(Algo), CN(Security related like breach etc.).Difficult section compared to coding sections.In each section 6 questions with 6 minutes for each section.

25 were selected.

[3 Technical Interviews (all 1 hour rounds) and 1 HR round (15 minutes)]

Round 2

Ques 1 :[N-Queen not backtracking one but to check valid n-queen board]
The n queens puzzle asks to place n queens on an n×n chessboard so that no two queens are attacking each other. Given a two-dimensional integer matrix where 1 represents a queen and 0 represents an empty cell, return whether the board is a valid solution to the puzzle.

 https://helloacm.com/algorithm-to-valid-n-queens/

This question is asked only because I have made one project based on chess.So do all the questions which are related to anything you have written in your resume.

Ques 2 :
https://www.geeksforgeeks.org/rearrange-a-linked-list-such-that-all-even-and-odd-positioned-nodes-are-together/

1. What is a deadlock? How to prevent it ? [Full Details and also code showing deadlock and its resolution]
2. Case where quick sort performs worst and compare it with merge sort.

In the end he asked for any query,I asked about different tech stacks in the company.

Round 3

My Introduction and Project Discussion
[Whatever you say in this discussion questions will be asked on it].

Ques : The string "INFOEDGEDRIVE" is written in a zigzag pattern like

```
    I     E    D    E
    N  O  D  E  R V
    F     G     I
```

You have to read line by line : IEDENODERVFGI

Function that takes a string and number of rows?

https://www.geeksforgeeks.org/print-concatenation-of-zig-zag-string-form-in-n-rows/

SQL Questions
Create a database table that contains information of customers. The table stores information like
Customer id, customer name, address, city, country

Given this data in table:
Ankit noida
Paras noida
Romil noida
Anubhav delhi

Print it like this:
Ankit, paras noida
Paras ankit noida
Ankit romil noida
Romil ankit noida
Romil paras noida
Paras romil noida

Sql query to print all names of those customers who are present in a city which has a number of customers>2.(In 1 query-No nested queries)

How can we optimize an sql query?   Answer Indexing
What is Indexing? Can we do indexing on multiple columns?

In the end he asked for any query,I asked about different domains and their tech stacks in the company.

Round 4

My Introduction ,Project Discussion(detailed).
Questions on Database Indexing,Hashing(Both hashing a plain text as well as about hash table) and how to handle collision in a hash table. And some other computer fundamentals questions.

Ques : https://www.geeksforgeeks.org/trapping-rain-water/
SQL: Get 25% rows of all the rows of a table

How to secure the login system? Full details what we can do in the front end as well as backend? How to store passwords in a database?

Question:
What if your data leak due to a data breach and the hacker has all the passwords that are encrypted but he has some way of table or other so that he can get the actual passwords from those hashes.How can you prevent this from happening?
Tried different ways to answer from database privileges set to using secure hashing algorithm but he was not satisfied.

In the end he asked for any queries,I asked about work life balance in the company and how to maintain it as a fresher.

HR Round
1. Introduction
2. Tell me about InfoEdge.
3. My weaknesses and strengths.
4. My current residence and am I ok to travel to the office.
In the end she asked for any queries,I asked about training period and project allocation to freshers.

Note:
1. Don't hesitate if you don't know any answer try to give anything you know about the topic and if you know nothing like a question about the login system and you never made a website then just say don't know anything about the topic and also with good reason like sir I worked on database but not on website so that he have something to test you on .
2. If asked about A, tell about A to Z. but only those things which are interrelated to each other.The more you spend time on what you know it would be better.
3. Talk about things you already know and make sure you can talk about your projects an hour long like what are challenges you have faced in your project,how you have resolved them,motivation behind project.

4. Most important- Be talkative as much as you can from telling about the approach to coding and dry run.[I used paint for telling my approach and comments for dry run]