

Placement Experience with Delhivery

First round was a coding round for 3 problems with 10 MCQs as well. These MCQs were from OS, DBMS (or SQL queries), output-based questions. I would rate MCQS as 7/10 on a tough scale.

And out of 3 coding problems, 1 was of hard category other 2 were of medium category problems.

Above mentioned MCQS and coding problems can be found at the end of the document.

The key element for this round that helped me was coding. MCQS weren't that hard.

Technical Interview questions:

1. Tell me about yourself, then your project, weakness, strength, favourite subject, weak subject. And please give the answer in the same order.
2. Project specific questions:
 - a) Interviewer threw some testcases and asked how my application would react to those testcases.
 - b) What happens if my application generates a file of 1gb and your memory have 500 mb space. How your application deals with it?
 - c) Is JSON is equivalent to JavaScript objects? Few more JSON related questions

Next were coding problems. An online editor *ideone* was used for this phase and the codes were shared after implementation.

3. Coding question named Rain Water Trapping problem.
It is a hard category question on leetcode and I suppose solving it gave me a big advantage
4. An easy category question: For a given string count number of substrings with same first and last character.

At first the solution didn't strike me so i gave a brute force solution but he asked me to directly come up with an optimised solution because it was too easy. I threw some ideas and finally got an optimised one. But somehow on submission my code gets evaporated (still don't know the reason). Since I explained it step by step and code it in front of him via screen sharing so I suppose he considered it and sent me in the next round.

Tips:

- A) Be very clear of each and every technology you mention for your project.
- B) For coding questions make it interactive session. Ex- Sir/mam I am trying this approach.
- C) Don't panic even if the worst happens (my code evaporated but I handled as if it's not a big deal).

6 out of 20 were selected

Next Interview round:

I was told its the final round so I was hoping that it would be something like HR round but it wasn't at all. Interviewer said that we will first discuss about him then we'll discuss about OS DBMS and my project.

Interviewer took about 15 mins to explain about his projects his roles in the company and the technologies on which company is working. Then he was expecting me to go in the same order.

Then he asked some project specific questions almost similar to those of previous rounds:

- Where would your application store the files after execution?
- Can you make this application a cross platform one?
- Tell me the testcases for which you have tried your application.
- Can you further increase the response time of your application?

OS questions:

- Explain semaphores.
- Deadlock.
- Deadlock prevention.
- Explain in detail the processing in your pc from the moment you press enter for the execution of a command till its completion.

DBMS questions:

- Indexing
- Data structures which could be used for indexing
- Difference between SQL and NoSQL
- Aliases are good for SQL programming or bad?

Tips:

1. When interviewer asks you if you want to ask something. Always ask something good.
2. Never go with the best project but go with the project which you can defend the best.

4 out of 6 were selected. I was one of them.

Questions: https://drive.google.com/file/d/1g50U-eGGsK_AWxlhHX4g8iBHcVaQ_89Q/preview