

Company: Projext YX
Job Profile: SDE

- Total Rounds 3
 - Written (Programs, Apti, Quant)
 - Technical Interview Round 1
 - Technical Interview Round 2
- **Written Round (2hr)**

Question related to trees, linked list asked to code on paper.
Question level of quant and apti was medium.

Topics : trees, linked list, dp, array.

- **Technical Interview Round 1 (1hr 45 min)**

Brief overview of my resume.

They asked me about my team responsibilities, what problems I encountered.

- Q1. Create a data structure with $O(1)$ complexity.
- Q.2 Design a code or suitable data structure such that program will take infinite length of character series as input and print the first non repeating character at a particular time?
 - Ans: Try using hash table with queue with extra validation to ensure circular character move extra work.
- Befor next question they asked me what is my favourite subject and on a scale of 1-10 how good I am with DBMS and concepts.
I replied honestly with 4 and they decided to leave dbms topic for interview but I insisted to ask atleast one question from DBMS.
- Q.3 How would you join two table one table with millions of entries and 2nd one with regular length.
 - Ans is Left/Right Join
- Q.4 How would you handle database with huge table size?
 - Ans :Indexing for low level solution
 - In order to take physical hardware help **Sharding** technique is used (They were very happy to know that I know about sharding).
- Q.5 How hash table and indexing are implemented at back end?
- Q.6 Puzzle related to probability.
 - Tried my best but didn't answer well.

At last they asked me if i have any question regarding job profile or anything related to company.

Simply ask anything, this shows your interest .

Ask anything

After sometime i was called for 2nd round

- **Technical Interview Round 1 (30 – 35 min)**

- Interviewers were very friendly and helpful in this round. They were smiling during entire interview and asked me to tell me something about myself.
- Then they again asked about my main project and how i handled problems and what contribution I made to the project.
- Then I was aksed about any question regarding company.
- Q. A simple race puzzle about 25 horses and 5 tracks you have to find out top three fastest horses among all.
Link: <https://www.geeksforgeeks.org/puzzle-9-find-the-fastest-3-horses/>

Then they asked me to wait outside for final result.

Finally I was selected.

Imp Points

- Know your resume and your porjects.
- Don't lie in your resume.
- Don't sit like a dummy and be responsive.
- Try to talk atleast 75% during entire interview.
- Keep asking questions don't assume anything on your own.
- Be honest during interview.
- For study material refer **Karamunchi Book**.
- Speak confidently.

All The Best....

Harshul Kumar