

# Placement Experience with American Express

## Interviewee 1:

### Interview questions:

1. Asked questions from SQL
  - Can we use having without group by, if yes give an example.
  - Difference between having and where?
  - Which all joins we have in SQL?
  - Few queries to write related to join.
  - Query for 2nd highest salary in each department.
  - Order in which the SQL query works.
  - Write a query to use the functionality of joins but without using join?
  - Can I keep the entire data intact using the distinct keyword (data consists duplicate entries)?
  - Types of keys.
  - What's the difference between primary key and unique or not null constraint?
2. Puzzle 4&7 minutes hourglass to calculate 9 minutes
3. Questions from all the projects done.
  - Challenges faced
  - How did I handle inconsistent data?
4. Asked to give a quick run through the resume.
5. I was given a case for which I had to write a snippet of code to solve the problem
6. Why Amex? What do you know about the company?
7. Asked to describe the lows in life, and how did I overcome them.
8. Asked to rate my coding skill and how often do I code?
9. Given a case study like one we had during the ppt of TECHTHAT.
10. Asked how can we devise a business model to generate some revenue for the company?
11. Asked about my hobbies.
12. Asked about the co-curricular activities that I did.
13. Given another case study, to see approach towards an unsolvable problem.

## Interviewee 2:

### Interview questions:

It was a 1 hr 30 minutes interview.

1. Asked thoroughly about the project.
2. Asked algorithms used in project and toolkit, libraries, etc.
3. Which company will be benefited from your project?
4. Which companies are using this technology?

5. How's your technology is better than them?
6. How would you persuade them to buy your project?
7. Which algorithm was the best for your project?

Then they asked to rate yourself from 1-10 in Python/C++.

- DBMS questions (3)
- SQL queries (join, aggregate, total revenue in company)
- python pandas related questions
- Given a dataset, which function of pandas will you use
- ML concepts
- find Year growth for a company using SQL
- Logistic regression function was given, find p

Then they asked puzzles:

- 1 easy level and one was hard level puzzle problem (Geeks for geeks puzzle)

Then they gave two programs to write in editor

- Check string palindrome without reversing and after telling the logic they told to optimize it further.
- After finding permutations of string, check for same.

1. Why American Express?
2. How revenue is generated in American Express?
3. Which is the best thing we are using in our softwares?
4. Why Market is interested in Us?
5. How does a bank work?

Any questions you want to ask?

PS: - Some questions I don't remember. It was a grilling interview process.