

## Interview Experience @ Salesforce

### Coding Round (Around 25 shortlisted)

- Book Allocation problem
- DFS on tree : count minimum edges to travel to all special nodes starting from root 0.

### Technical Round - I

- Introduce Yourself
- Two pointer technique  
longest substring without repeating characters
- Brief Discussion on Project.  
SQL vs NoSQL database  
{ why I chose NoSQL - firestore }  
+ horizontal vs vertical scaling
- Discussion on friend function,  
virtual function, run-time  
polymorphism.
- How will you implement Hashmap  
& HashSet. How will you handle  
collision resolution technique.

### Technical Round - II (Around 20 selected)

- Introduce Yourself.

- Core Subjects : Concept of multithreading, process vs Thread, definit<sup>n</sup> of process, mutex & semaphores in DBMS
- Circular Tour Problem (Leetcode)
- Reconstruct Itinerary (Leetcode)
  - + Follow up: Find longest itinerary path
- Brief discussion on project.

## HR Round (Around 15 selected)

- Introduce yourself
- What is your fav. subject?
  - Answer → OOPS
- Problems on OOPS :
  - Run-time polymorphism
  - Compile-time polymorphism
  - Inheritance definit<sup>n</sup>
  - Implement multiple inheritance
- Why only projects on flutter?
- Why not project in team/group?
- How will you divide the tasks in group for a team project?
- I have seen similar project in many C's. Do everyone take the

Same udeemy resource?  
(I told each interviewer that  
1 project is built by me & rest  
are learning purpose during  
udeemy course)

Final verdict : Selected along with  
5 other awesome  
interns

- Suggestions :
- ① Just be truthful during entire process
  - ② Don't try to fool him/her. He/she has more experience than you.
  - ③ No problem in mentioning less complex project. But make sure, it's made by you or you know in and out of the details.
  - ④ My profile had more CP than dev, so my interviews were DSA oriented.
  - ⑤ But even after DSA, core subjects: OS/DBMS/OOPS are must.
  - ⑥ { Knowledge gate - DBMS  
Gate Smashers - OS  
Saurabh shukla - OOPS }