

# Editorialist YX - SDE1 - Interview Experience

**SALONI DOBHAL (MCA)**

**DAY 1 - 17<sup>th</sup> August 2021**

## **ROUND 1: Online Coding Test (2 hour )**

**Platform :** Mettl

**Language :** C, C++, PYTHON, JAVA, C#

**Duration:** 2hrs

**Total Questions :** 40 General Mathematical Aptitude

20 Technical Questions (C,C++,OS,Networks)

4 Coding Questions

1) Subset Sum problem

<https://practice.geeksforgeeks.org/problems/subset-sum-problem-1611555638/1/>

2) . Find the next smaller element of the next greater element.

<https://www.geeksforgeeks.org/find-next-smaller-next-greater-array/>

3). First Non Repeating Character in a character stream

<https://practice.geeksforgeeks.org/problems/first-non-repeating-character-in-a-stream1216/1>

4). K-th Symbol in Grammar

<https://leetcode.com/problems/k-th-symbol-in-grammar/>

### **Important :**

- ✧ Do not do guess work in MCQs as they ask the same questions in first technical round.
- ✧ Refrain from using assistance / cheating.
- ✧ Don't waste time on one question try to work smartly.
- ✧ Even if you are not able to attempt a good amount of questions in general aptitude, that's okay.
- ✧ Just divide your time wisely between the sections.

*19 students were selected for round 2.*

## **ROUND 2 :Technical Round 1 (40 minutes)**

The interviewer was friendly. He first introduced himself and then asked for my introduction.

1. Started with the aptitude questions and technical questions of coding round.
2. Since I told me I work in React, He asked me the advantages and what I find more easier, frontend development or backend development. And then there was a little discussion on my projects.
3. Then he asked me to give the approach for the subset sum problem. Along with the explanation he asked me to code it. I did so.
4. Then he asked can we store primitive data types in HashMap. I answered that while we put the primitive types there is autoboxing / boxing happening which converts it into the wrapper classes.

Then in the end, interviewer asked me if I had any questions.

*13 students were selected for round 3.*

## **DAY 2: 18<sup>th</sup> August , 2021**

### **ROUND 3 : Technical Round 2 ( 1 hour 10 minutes)**

(No Problem Solving/Puzzle questions were asked from me.)

There were two interviewers in this round. They started with their introduction and later asked mine. Then they started with the round.

1. They first asked about Hashing and its time complexity and kept on digging inside the concepts of HashMap, collision, TreeMap, all time complexities as I was answering.
2. If there is an incoming stream of numbers, then at any point if we want it to be sorted then which data structure should we use.  
I answered them heap and then they started digging in deep with the time complexity(sorting, inserting) and implementation of heap.  
He then asked me to improve the time complexity from  $O(n \log n)$  for the question.

3. What is the difference between quick Sort and merge sort?

I explained them the algorithms of both and the difference in their time complexities

4. Then they asked which sort should be used in case of large input size. What sorting algorithm is better for linked lists. (ans: merge sort) I also additionally explained why the inbuilt method sort() uses a combination of sorting mechanisms.

At last they asked me if I have any questions for them. I asked them to give some problem statements but they said its not required as they already have seen the answers of online assessment. :D

*7 students were selected for round 4.*

## **ROUND 4 : TECHNICAL ROUND 3 ( 70 minutes )**

This round was also taken by two interviewers. They did not introduce themselves and started with my introduction. As I told them that I am already working in a company as an intern and working in ReactJS , they looked quite impressed. They first discussed about my projects I had mentioned in my resume. Later they discussed on the products I was working on in my Internship and then for more than half hour there was a detailed discussion on React and Redux.

1. What are the life-cycle methods in React?
2. How does redux work?
3. What are its main components of redux, the flow?
4. Explain action constants, action creators, selectors, reducers, etc.
5. What is the difference between JSON arrays and JSON objects.
6. What is the difference between let, var and const. How are we able to add elements to an array which is declared const?
7. How to add elements to an array(ans : using destructuring and push method). They asked me to open the console and show them there.
8. What are interfaces and their use in java.
9. Why multiple inheritance is not there in java?

Then came a simple DSA question.

10. Find the intersection point of two linked lists.

I gave the the HashSet approach which uses extra space.

They asked me to optimize it. So, I gave the two pointer approach.

*4 students were selected for round 5.*

## ROUND 5 : HR ROUND (75 minutes)

The HR was very friendly.

She first introduced herself and then asked me to do so.

Then she started with the behavioral questions.

- 1) Tell me about your family, your interests and dislikes.
- 2) What is the biggest learning you learnt from the covid situation?
- 3) What are some co-curricular activities you have participated in?
- 4) What are the responsibilities you have taken?
- 5) Why did I chose to be the Placement Coordinator? Any advantages of the post?  
:D :D
- 6) Does the PC post help in getting placed?(I said NO because it doesn't. Its all your effort and hard work you put in your studies and also the most important factor- LUCK).
- 7) What are your strengths and weaknesses?
- 8) How do you handle stress?
- 9) Why EYX? What made you sit for this company?
- 10) What if you get an opportunity with a better CTC off-campus? Will you choose EYX or the other opportunity?
- 11) Why should we hire you?  
(Tip: Be honest)

*All the 4 students were offered 6 months Intern+FTE offer.*

### **Points to keep in mind:**

- ✧ Never give up. Even if you are not able to answer keep trying. The interviewer will definitely tell you whether you are going in correct direction or not.
- ✧ For questions based on concepts(CS Fundamentals, OOPS etc) if you have no single idea even after clarifying about what question the interviewer has asked then just politely say that you are not familiar with it as there is no point in wasting time.
- ✧ Read and remember your resume well.