

Ciena Interview Experience (Java Profile)

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It was a three-round process with one online assessment and two technical rounds. OA and the first technical round were conducted offline on campus itself, while the second technical round was conducted online using Zoom.

Round 1 (Online Assessment) (60 minutes)

This round have had 2 programming question to be done in 60mins

1. Given a string contain only uppercase character. You can remove "BANANA" from it. In other word, remove 'A' thrice time remove 'N' twice and remove 'B' one. Find Number of step to complete remove it.

Example:

Input: NAABXXAN **Output:** 1

Explanation: NAABXXAN -> XX

Input: NAANAAXNABABXNNBZ **Output:** 2

Explanation:

NAANAAXNABABXNNBZ -> AANXBAXNNBZ -> NXXNBZ

Input: AAXAYZB **Output:** 0

Explanation: Can't remove N two time

2. Given an integer 'N'. You have to create a string of N length containing character from [a..z] and every character repeat equal number of time

Example:

Input: 26

Output : abcde.....z

Input: 30

Output: aabb.....oo

Round 2 (Technical Interview – I) (40-50 minutes)

The interviewer started the interview by discussing one of my project which was Inventory Management system. I explained my project. He then ask me question related to my project like

- Which database I use in my project
- How I connect database with my project
- How my database tables is connected to each other
- Write the code how I added data in database in my project
- How you handle when two user add data in database simultaneously in my project? which I didn't handle
- Then he ask how I will handle now if have to. I told him two approach (one using queue and one use thread) then ask me write the code for both approach.

After that he ask me two DSA question

1. Reverse the linked list
2. Given a string consisting of digits only. Find the largest palindromic number that can be formed using digits taken from string. It should not contain leading zeroes.

Round 3(Technical Interview – 2)(30 – 40 minutes)

It was taken by 2 interviewer. They both introduce themselves then ask how my experience was in previous round?, then he ask me to give brief introduction.

After that He ask me to explain my project, which module I have in my project and how modules connected to each other. I explained my project then he asked me question related to project like

- Which database I use in my project
- How I connect database with my project
- Which java library I use to access database

- What is PreparedStatement?
- How you handle if for whatever reason data not able to add in database.
- Which exception I catch in catch block when I adding my database but it didn't add in database because of error
- How I close SQL connection when error occur while adding data?

They asked question related to java programming language like

- What is difference between "equals" and "=="
- Other than string which class use equals function
- What is ArrayList?
- How you declare ArrayList?
- What is overriding?
- Override equals function for ArrayList
- Which class have equals function other than classes which inherit it from parent class or interface
- What is HashMap
- How you declare HashMap
- What is hashCode ?, In which class it define
- What is hashing
- If you have 2 ArrayList with same values. Will hashing give same key for both ArrayList
- How HashMap handle collision

Then they ask me if you have any question. I ask for feedback they both given positive feedback. Then one interviewer ask Why I want to join Ciena? Then he ask will I only code in java or if asked I can code in other language also?

Note:

- Don't hesitate and be positive with your answer and try giving example
- If don't know the answer, say directly don't waste time.

- Revise the concept of your preferred language and what you have done in your project thoroughly

All the best!