

# ACCOLITE DIGITAL

## Interview experience

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2 September 2021

### **ONLINE ASSESSMENT ROUND 1**

**Platform:** Eduthrill

**Questions:** 30

**Time limit:** 30 mins

The questions were of medium difficulty level. The majority of questions were from OOPS and General Computer Science concepts. Some questions were from the aptitude section also. Try not to take too much time in solving 1 problem as you'll only have 1 minute per problem

### **ONLINE ASSESSMENT ROUND 2**

**Platform:** Codelyzer

**Questions:** 1

**Time limit:** 1 hour

Everybody was given one medium-level question to solve. But you will also be given a separate file to write unit tests for the code that you write. I code in python, and it is pretty easy to write tests in python. But be aware of how to write unit tests in different languages. Your code would be evaluated on the basis of 10 system tests and the no of tests that you write. So before submitting, be sure to compile and make sure all of the test cases are getting passed.

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Also, the language that you would choose during the time of registration would be the only one you'd be allowed to code in. You cannot change your preferred language on the platform. The question was

[Count minimum steps to convert an array of all 0s to an array of all integers using only increment and double operation](#)

## **TECHNICAL ASSESSMENT ROUND 1**

**Platform:** Google Meet

The interviewer was very friendly and started off with my introduction. Then she directly moved on to questions.

First, she asked me to write 3 easy SQL queries

1. Given a schema of an office, print all details of all the employees. (This is not a trick question, she was only expecting a Select \* statement)
2. [Given a schema of an office, print the second highest salary](#)
3. Given a schema of an office, print all workers who have the same salary

Next, she asked me standard questions about data structures.

1. Which data structure can be used to implement a stack, queue
2. What is a graph
3. How do you store a graph
4. Is tree a graph
5. Is tree a directed graph
6. What's a binary search tree
7. Height of a binary tree
8. The time complexity of searching in a Binary Search Tree (best and worst case)

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Then she asked me to write code for some problems

1. [Given a preorder traversal of a BST, write a function that returns the root node of the corresponding tree](#). (Basically, she gave me one class for a Node, and I had to create the tree and return the root node of that tree)
2. [2 sum problem](#): Do not assume anything. And do not start writing code as soon as you are given the problem. For this problem you could ask whether the array is sorted or not, if there always exists a solution, can there be multiple solutions etc. Only then start writing. And then I was also asked the time complexity
3. [3 sum problem](#) : She extended the second problem and converted it into 3 sum problem. Which is similar to the 2 sum problem only. And asked it time complexity

In the end, she asked me if I had any questions, and I asked how does the hiring process changes once you are a fresher and once you get a year of experience. If you want to ask questions about the company. It shows that you are interested. Not mandatory though

## TECHNICAL ASSESSMENT ROUND 2

**Platform:** Google Meet

The interviewer asked me to introduce myself, my internship and then asked what all data structures I am familiar with. Then he asked me how a HashMap works. What is Hashing?

Then he asked about binary search and quick select algorithm.

Then he asked me to implement binary search and explain how it works

Then he asked me to implement a Linked list using Object-Oriented approach.

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Then he finally asked me to send him the code as he had another meeting. This round only lasted 30 mins for me, but it was not the same for other candidates.

## **HR ROUND**

I got the call for the HR round at around 8:30 PM. And my interview was at 8:45 PM.

The interviewer was very friendly and asked me to introduce myself and then she introduced herself. They basically want to see whether you have your own opinions or not. During my introduction, I mentioned that my Grandfather moved to India during the partition. And she asked me about my views on the partition. Then she continued with standard HR questions

1. Difference between Hard Work and Smart Work
2. If I were to lead a team whose members were not punctual and did not follow the routine because of the nature of this work from home setup. How would you ensure that a deadline is met in this case?
3. If I had to relocate to South India, how would I deal with the cultural differences there?

Then at the end, she discussed the salary breakdown and asked whether I had any questions for them. I asked how they ensure that offices at different locations have their required number of employees when no one is willing to move.

And that was the end of it. Keep a positive attitude throughout, ask the interviewer whenever you are stuck. It's not an interrogation but a conversation.

All the best!!