

Ciena Interview Experience

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There were total 3 rounds (2 technical rounds and 1 techno managerial round).

No Online assessment was there.

Technical round 1 (1.30 hr) :

Firstly interviewer introduced himself and asked me to introduce myself. He was very friendly, started with the discussion about my favourite programming language and why. Detailed discussion on two of my projects. Then he asked Some questions of c programming (difference between union and structure, what are static variables and where they get stored in memory etc.), then he jumped to operating system concepts like what are threads, difference between mutex and semaphores, what are file descriptors, what are the various states of a program then he asked me around 6- 8 questions from networking(brief about various layers of osi model, VPN, VLANs, gateway, routers etc).

After all the theoretical questions he asked to code [Set the rightmost unset bit](#) , its time and space complexity and one puzzle.

Technical round 2 (1.15 hr):

Interviewer was very friendly, he asked me to introduce myself then we had a discussion of around 5-7 minutes about fest and coding culture in DUCS. Then he told me to explain one of my project and had detailed discussion about tech stack used in my project.

After that he asked some coding questions :

Ques 1: Replace all the zeroes of a digit with some value.

For example : Input = 100245004, replace all of its zeroes with 3

Output = 13345334

Ques 2: [Reverse Words in a String](#)

Ques 3: [Delete Nth node from the end of the given linked list](#) (using single traversal of a linked list)

Then he asked me the output of following code:

```
static int a[] = {10, 20, 30, 40, 50};  
static int *p[] = {a, a+3, a+4, a+1, a+2};  
int **ptr = p;  
ptr++;  
printf("%d%d", ptr - p, **ptr);
```

In the last he asked 2-3 networking questions.

Techno managerial Round (1.10 hr) :

Interviewer started with what I know about ciena and asked some cross question from my answer.

Then he asked some behavioural questions : what are your views on team work and how you will tackle difference of opinion in a team, do you like networking, what is your dream company.

He also asked about my favourite language and why. Since I code in cpp so he asked why there is so much craze of cpp language then our discussion went to competitive programming.

Then he jumped to technical questions:

```
Char *str="nikita";
```

```
Char str2[ ] ="nikita";
```

What is the difference between both the statements and can we change the contents of str and str2.

What is compilation, linking and redeclaration error.

What are static variables.

“If we define a static variable in a header file and use this header file in two .c file which is a part of same program”. Explain this can happen or not.

What is LCM and asked me code for that.

In the last he told me about the work culture at ciena , its various teams and technologies.