Ciena Interview Experience (C Profile)

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It was a 3 round process which consisted of 1 Online Assessment and 2 Technical rounds. All the rounds including OA were held offline in the campus itself.

Online Assessment (75 mins) (Easy/Medium Level):

There were 2 different assessments set up according to the profile for which the student had applied (One for C profile and the other for Java profile).
- Java Profile assessment consisted of 2 programming question.

- C/C++ Profile assessment contained 6 sections out of which the first 3 sections were of *Aptitude and Reasoning*, the next 2 sections contained *error correction* questions in which we were required to correct one or two lines (specified in the question) in the given code so that is gives correct output for all the test cases. The last section contained a *coding question*.

Ques: Find the smallest number greater the n whose sum of digits is double, the sum of digits of the given number n. (Ex: n = 99, Sum of digits = 18, so answer = 9999, sum of digits of answer = 36)

This round can be easily cleared with a descent knowledge of Aptitude and Reasoning along with basics of coding.

***Note*: Read the question carefully and only answer what is required.**

Interview Process
Round 1: (40 – 50 Mins)

The interviewer started by asking about common question like from where you live, in which field you are interested and what you know about ciena to make me comfortable for the interview. After that he asked to tell all subjects you studied till 5th semester later asked to tell two from each semester, I did it than

he chooses Advance operating system and asked inverse priority scheduling, deadlock, process scheduling and after this he switched to computer network asked about tell all the steps involved when you search any page on the browser, he asked all the OSI layers and what are the header in each layer, after that he asked me tell about your internship in cybersecurity and what you have learnt there, later he switched to C where I was asked about macros, pointer, size of(), he asked me to reverse the string using macros character by character, than he give a question where I have to find the number of byte memory allocated to the given declaration, later he asked some more basic questions on C, Computer Network and Operating System, than he asked me to solve the puzzle where you have to find the average salary of three person without disclosing their actual salary (you can practice puzzle from geeks for geeks and they are mostly asked in the interview), than he asked me about my hobbies and asked you have any question we then had a small talk regarding the work culture of Ciena, what he is currently working on and few other things like future of the company. He answered all my questions very nicely.

Interview Process
Round 2: (40 – 50 Mins)

The interviewer started by asking give me your brief introduction, after he asked me to code (on the paper)

- Swapping of two numbers which was very easy I did it using temp later he asked me to do without using temp I did it then again, he asked me to solve without using any arithmetic operation where I did it using XOR he was giving hint also.

- Write a code to find the nth element from the link list.

- Write a code to insert an element in the link list at nth position.

- Write a code to reverse the link list.

- Write a code to find height of the tree.

- In-order, Pre-order, Post-order traversal of the binary tree.

- Write down the structure of the node.

- How you will dynamically allocate memory to the structure object.

- Size of () function and pointer output questions.

- Puzzle question 3 ants in an equilateral triangle find the probability that 3 ants not collide.

- Puzzle questions 5 jars having pills of 10g in each but one jar having 9g pill how will you find the jar having 9g pills.

- All the outcomes of tossing 3 coins.

He was done with his questions and asked me if I had any, we then had a small talk regarding the work culture of Ciena, what he is currently working on and few other things. He answered all my questions very nicely.

From both profiles combined 12 students were given Intern + FTE offer.

Note:
- Don't hesitate and be positive and confident with your answers and try giving examples.
- Tell the approach that you are thinking and keep trying different approaches, they will guide you by giving feedbacks.
- Revise the basic concepts of your preferred language and also of OS, CN.
- If you need time to formulate your answer, simply ask them to give you a minute or two.
- Just remember you have to give your best and rest enjoy.

All the best!