

# Amazon Interview Experience(On Campus)

*Note: Many questions are missing. I am not able to recall everything.*

## Day 1:

### Round 1:

Online test on hackerrank platform.

20 MCQ questions from subjects like OS,DBMS,Networks  
2 coding questions.

## Day 2: Face to Face Interviews

### Round 2:

*(Around 15 mins)*

Started with interviewer's introduction and then mine.  
He asked few questions related to my resume and intro.

*(10-15 mins)*

He asked many questions related to pointers , linked lists and how data is stored in memory.

*(Around 10-15 mins)*

He told me to write error free code to find intersection of two linked lists.  
He was rigorously checking my code for various test cases.

*(Around 20-25 mins)*

Find min number of moves(dice throws) required to win snake and ladder game.  
<http://www.geeksforgeeks.org/snake-ladder-problem-2/>

He asked few questions related to graphs I am not able to recall them

### Round 3:

*(Around 10-15 mins)*

Started with interviewer's introduction and then mine.

*(Around 15-20 mins)*

He told me to write error free code for this question

( <http://www.geeksforgeeks.org/find-smallest-range-containing-elements-from-k-lists/> ) and to submit him only the final solution.

He asked one more coding question but I don't remember it now.

*(Around 10 - 15 mins)*

Few questions related to heaps , arrays ,hash maps and their time complexities.

*(Around 5 mins)*

He told me to ask questions from him. I asked him few questions from the things which I find interesting while he was introducing himself.

## **Round 4:**

I guess this one was the Bar Raiser round.

*(Around 15 mins)*

Started with his introduction and then mine. Some questions were asked related to my projects and achievements.

*(Around 20 - 25 mins)*

He told me in the beginning that, he wants to see how much I can think in terms of DS. He wants to test my problem solving skills.

Then he gave me an open ended question for which no definite algorithm exist and I need to design algorithm for it.

Question: Lift control problem

There are "k" lifts and "n" floors and I need to minimize the delay in time when someone calls the lift.

*(Around 10 mins)*

He asked few questions related to memory management in OS.

## **Round 5:**

He told me in the beginning that I have to write error free code as fast as possible. After giving every question he went out of the interview room and he wanted me to write the complete code before he comes back.

*(Around 2 min)*

Write code for any depth first traversal for trees.

I gave him the recursive sol for inorder traversal of tree.

*(Around 10 min)*

Write iterative solution for it.

I gave him the solution by making use stack.

*(Around 15 - 20 min)*

Write code for above without using extra space(stack).

*(Around 10 min)*

I was asked to tell about my projects. Some questions related to them were also asked.

**Tips:**

1. Think loudly. Interviewer might correct you if you are going in wrong direction.
2. Stick to one language. Focus on your problem solving skills. Amazon doesn't have any language constraint.
3. Practice paper pen coding. You must be able to write error free code on paper.

**All the best :)**

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