

## Amazon On-Campus 6 months Internship (SDE)

- Difficulty Level : [Hard](#)
- Last Updated : 12 Jul, 2019

### Round 1: Coding round + MCQs

There were 2 coding questions and 20 mcqs of variable marks such as 4, 6 and 2 and no negative marking.

1. [Stock span problem](#).
2. [Zig-Zag tree traversal](#). The only catch was the tree was given in the form of array like 3, 2, 4, 5, null, null, 1, 1, 2, 12. All internal nodes would have either a value or null. Leaves could be empty. It was more of implementation tester.

24 students were shortlisted. (Mostly based on MCQs because the coding was done by many ).

### Round 2: Tech Round (Purely based on GeeksForGeeks DSA)

I was asked about the test and how I solved the questions. Then I was asked [Maximum profit by buying and selling a share at most twice](#) problem. First I was asked my algorithm and then I was asked to code it all on paper.

Then he asked about my hobbies.

13 Students made it to Round 3.

### Round 3: Tech Round ( GeeksForGeeks and Problem solving skills tester )

1. [Given a graph create a tree with minimum depth](#). I was not asked to write the code but the discussion went on for about 5 to 10 mins.
2. Then I was asked [Median of stream of Running Integers](#).
3. Next question was [LCA in a Binary Tree](#).

Then using that solution find [Distance between two nodes A and B in a Binary Tree](#).

4. Then [swap alternate elements in the Linkedlist](#).

**Finally after a whole day of Process 9 Students were selected for Internship and I was One of Them.**

**PS- GeeksForGeeks is the go to site for Amazon Interviews !!!!**

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