

Amazon Interview Experience | Set 388 (On -Campus for Full Time)

- Round 1: Online coding test** 90 minutes (HackerEarth)

1. Knapsack variation(you can choose an item any number of times) [GeeksforGeeks Link](#)
2. Given a 2D array consisting of 0's, 1's and 2's. 1 denotes a fresh apple, 2 denotes a rotten apple and 0 denotes absence of an apple at that position.
Each rotten apple takes 1 day to make its neighbors (8, given a fresh apple, is already there) rotten as well. Calculate the number of days when all the apples will be rotten. If not, then print the number of apples which will never get rotten.

MCQs included some output based questions in C (5), time complexity (2), data structures (10), OS(2), Java-based output question(1), etc.

The interviewer was very chilled and asked me to introduce myself, then he asked me to explain any of my projects. He then asked me two questions:

- ## Round 2 (F2F2)

He started with a description of my projects and then he asked me several questions, majorly:

- ### Round 3 (F2F3)

She started with a description of my projects and then he asked me several questions, majorly:

- ```

\r\n Eg: 2 3 1\r\n 2 1 3\r\n Ans = Yes.\r\n Eg. 1 2 3\r\n 3 2 1\r\n
```

- #### Round 4 (Telephonic + screen share)

He also started with an description of my projects. Then he just asked one question.

1. Given an array, find the number of inversions in the array. [GeeksforGeeks Link](#)

The call quality and the internet connection was poor. I wasn't able to explain my solution(recursive) on the phone call. Then I wrote the code on the shared screen. He asked me to dry run it on a case. Just when I was about to dry run I encountered a 502 Bad Gateway error. Nevertheless, he could still see my code and asked me questions on some of the things in my code like the use of `int temp[n]` and declaration of array like `int temp[n]` and not using `malloc` (Specifically: why `malloc`, if you can declare an array like this?). Later, I could not hear him properly so he decided to end the interview here itself.

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### Related Practice Problems

### Maximize Number of 1's

**All Practice Problems for Amazon !**

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