

Cvent Interview Experience

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2021-2023

5th-10th August 2022

Round 1: Online Assessment (1 hour) - 5th August

- 30 MCQ Questions.
- Concepts Included: C/C++, Java, SQL, OOPs, Numerical and Reasoning Ability.
- Platform: Wheebox.
- **65** Students were selected for the next round.

Round 2: Online Coding Round (40 minutes) - 5th August

- **Platform:** imocha
- Only one problem was given to solve.
- The Platform gave 50 chances to compile and run the code.
- Number of test cases checked on this platform were 3.
- **Problem:** Dynamic Programming Maximize Height
You are given two arrays of the same length N. Each value of an array element represents the height of a player. For constructing a team, you start to choose an index of any row.

The constraints are:

1. You cannot choose two players of the same row consecutively.
2. You also have to select an index that should be greater than the previously selected index of an array.

You must maximize the total height of the team and print it.

Note: Both arrays have the same size.

Input Format:

The first line contains an integer N, followed by two arrays of length N.

Constraint: $N < 10000$

Output Format:

The output contains an integer denoting the maximum height of the team.

- **26** Students were selected for next round.

Round 3: Face-to-Face Technical Interview 1 (1 to 1.5 hrs) - 8th August 2022

This round was organised at the Cvent office in Cyber Hub in offline mode. The interview was an amalgamation of DSA problem solving questions, puzzles, OOPs and database concepts.

- The DSA problems:
 1. The problem was to remove the banned words from a string. The banned words are given in a vector of strings and are very high in number(maybe 10,000).
Hint: The data structure to be used is **Trie**.
Link to Similar Problem:
<https://www.geeksforgeeks.org/remove-forbidden-strings/>
 2. Given an input string, the problem was to reverse the order of the words of the string.
Problem:
<https://leetcode.com/problems/reverse-words-in-a-string/>
- The Puzzles asked were:
 1. In this puzzle, probability of non-collision is asked:
<https://www.geeksforgeeks.org/puzzle-21-3-ants-and-triangle/>
 2. In this puzzle, units of time were changed:
<https://www.geeksforgeeks.org/puzzle-18-torch-and-bridge/>
- Some little things were asked from my resume.
- The Interviewer asked about Join(), its types and their explanation with examples for database management.

11 Students were selected for next round.

Round 4: Face-to-Face Technical Interview 2 (1 to 1.5 hrs) - 8th August 2022

This round was organised at the Cvent office in Cyber Hub in offline mode after 10-15 minutes of the completion of the first technical interview for the selected students.

The interview started with the introduction of both the interviewer and interviewee. Basic information about the resume were discussed. The interviewer asked about my favorite subject and a lot of discussion was done on this topic. Discussion about current technological trends and the current databases were also done.

The DSA problem:

Given an input array, output an array such that it consists of count of elements for each element in the input array such that it can move to its right. An element in input array can only move to its right if and only if it is smaller than that element.

Eg:

I/P ARRAY: 1,4,3,2,7

O/P ARRAY: 0,2,1,0,0

Then questions and discussion about OOPs concepts were done. Questions on Polymorphism were asked. The interviewer also asked about the difference between compile-time and run-time polymorphism.

After that, the interviewer asked questions about inheritance and asked to discuss it along with its example.

7 students were selected for intern+FTE.