

DaytoDay Health Interview Experience

Kritika Singh, MCA(2019-2022)

Round 1: Online Test (1 hour 30 min)

Platform - HackerEarth

2 sections - 19 MCQs and 2 Coding questions

MCQs - OOPS, C++, Java, OS, DBMS, SQL, Data Structures, Spring

2 Coding Questions -

Q1. You are given with a two dimensional matrix with M rows where each row is filled with a permutation of natural numbers from 1 to N. You need find the length of longest common subarray among all rows of matrix

Example1 :

M = 2, N = 3, Matrix: $[[1, 2, 3], [3, 2, 1]]$

Ans: 2

Q2. Car Race Given N cars with their speed in the form of an array A, where indexes represent their position. All cars are participating in a race of infinite length and starts at the same time. A car which is standing at i position is considered to be ahead of the car which is standing at position j if and only if $i > j$. We need to find the total number of overtakes which happen during the race. An overtake occurs when car A, whose starting position is less then finishes the race earlier than car B.

Example

If $A = [4, 1, 2, 5]$. Then 2 overtakes will happen during the race. Car 1, will overtake Car 2 and Car 3 as speed of Car 1 is greater than speed of Car 2 and Car 3.

Total 17 students were selected for Technical Interviews.

Round 2: Technical Interview 1 (45 min)

Platform - Google Meet

Summary - Introduction, brief discussion about projects, 2 Coding questions, DSA, oops concepts, basic sql query, basic javascript questions

Project Discussion - explain one of your projects in detail, how would you implement a particular functionality?

Coding Q1 : <https://leetcode.com/problems/swap-nodes-in-pairs/>

Coding Q2 : <https://leetcode.com/problems/rotate-array/>

Situation based question - 'you had breakfast in the morning, you went to the kitchen and selected what you want to eat today, so which data structure would you choose for describing this scenario?'

ACID Properties

Total 6 students were selected for the HR/ Cultural Round and 2 students were selected for the 2nd Technical Round.

Round 3: Technical Interview 2 (1 Hour)

Platform - Google Meet

Summary - Introduction, brief discussion about projects, DSA, oops concepts, basic sql query

Project Discussion - explain one of your projects in detail, how would you implement a particular functionality?

Coding Q1 : <https://leetcode.com/problems/two-sum/>

Runtime polymorphism

Inheritance

SQL query

HTML, CSS

Some rapid fire questions related to java and c++.

Both the students were selected for the HR Round.

Round 4: HR/Cultural Round (30 min)

Platform - Google Meet

Summary - Introduction

general discussion on projects like 'why did you select this particular project? What was the reason behind that?'

Asked me about my last interview experience and the interviewer name

Questions like 'if you are given a group project and an individual project, what would you choose? Why?'

What are the benefits of online learning over offline learning and vice-versa

Asked about my family background

Asked about my hobbies

What type of work environment are you expecting from the company

At the end, he asked if I had any questions, then I asked questions. After that, he gave me good feedback and the interview ended.

All 8 students got selected for 6M Intern+FTE.

Tips:

- Be confident during the interview process
- Prepare your DSA section well
- Assume that you can be asked anything from your resume
- Prepare your projects well and keep brief knowledge of their working
- Be honest in the Cultural Round