

# CVENT Interview Experience 2019 August

## Day 1 on Campus :

### Round 1 : Online Aptitude Test

- 30 questions : CS fundamentals, JAVA code snippets, DBMS, Aptitude Questions (combinatorics, angle of elevation or depression, etc.)
- 30 minutes and No negative marking
- Time was sufficient and questions were easy except DBMS ones (they were quite weird)

### Round 2 : Online Coding Round

- 1 basic question on 'Codility' platform. The requirement is to solve the problem correctly as stated and take care of all the edge cases.
- 60 minutes, any language
- *Question* : Given 2 arrays X and Y containing N elements each. Find the frequency of most occurring fraction value where fraction is represented by  $X[i] / Y[i]$  where  $1 \leq i \leq N$ .  
NOTE : Don't assume float arithmetic division operation is precise.

3/4, 6/8, 12/16 all denote the same value as values come out to be 0.75

Input 1:

X = [4, 4, 1, 5, 4]

Y = [4, 4, 2, 5, 8]

Output 1:

3

Input 2:

X = [2, 4, 1, 12, 14]

Y = [3, 6, 2, 18, 21]

Output 2:

4

Explanation :

Test case 1 : Answer is 3 as 1.0 occurs 3 times as 4/4 and 5/5 are the same.

Test case 2 : Answer is 4 as 0.666666 occurs 4 times as 2/3, 4/6, 12/18 and 14/21

## **Day 2 at Cvent :**

### **Round 3 : Aptitude plus Personality based Test :**

- An aptitude test was conducted before the interview as a pre-selection of candidates, those who qualified were allowed to sit for the interviews.
- 50 questions of pure Aptitude and English
- 22 minutes and No negative marking
- NOT permitted to use calculators
- The aptitude test was followed by 140 personality-based questions

### **Technical Interview Round 1 :**

- Some Project-based questions.
- Create a contact list (basically name associated with phone number) which supports add, delete and search operation. [This problem can be solved using HashMap]
- Given a paragraph of words, create another paragraph of words such that it doesn't contain any duplicate occurrence of words.
  - For example :-  
Paragraph = "Suresh is studying in DUCS. Suresh likes to code in Python. Suresh is giving an interview."  
Result = "Suresh is studying in DUCS. likes to code Python. giving an interview."
- What is indexing in DBMS?
- What is a virtual table in C++?
- When we use a linked list?
- Explain some STL libraries in C++.
- What happens in the background after we write google.com and press Enter in the browser?
- Differences between ordered and unordered map.
- Questions on OOPS concepts. What are Inheritance and Polymorphism?
- Explain different types of join in DBMS with the help of an example.

### **Technical Interview Round 2 :**

- Given an array, and 2 sizes K and L. Find two non-overlapping subarrays of sizes K and L such that the sum of those two subarrays is maximum.
  - For example, Array : [1, 3, 3, 1, 3, 3, 3, 1], K = 2 and L = 3  
The 2 sub-arrays are : [3,3] , [3,3,3]. Hence, the maximum sum is 15
- Implement one stack in an array, two stacks in an array and three stacks in an array. Basically, approach and logic were asked.