TRUMINDS, Gurugram

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Round 1-Online Assessment round. (90 mins)

Total marks : 100 (50 for MCQs and 50 for coding question)
16 MCQs based on OS, Data Structures, Aptitude(Easy level)
1 Coding Question :
Platform: HackerEarth - They sent a practice test link as well on which we
could familiarise ourselves with the platform before the actual test.

Verdict : 28 were selected

Coding question:
Given a string of lowercase letters, each letter is either black coloured or white
coloured.
You can swap any two adjacent letters of the string any number (possibly 0)of times
if both have different colours.
Return the lexicographically smallest string after applying operation any number of times
(possibly 0)

Round 2- Technical Interview round (45 mins)
(taken by a senior of the company)

- starting with my introduction, he asked about the programming languages, I
  said C,C++ & Python.
- Immutable in python
- Real life use case of Tuple
- Output of Python Code

```
def func(l):
        l.append(6)
        return l
l = [1,2,3,4,5]
print(func(l))
print(func(l = [])
print(func(l))
```

- Print all the prime numbers in the range [n1,n2], n2 excluded.
- He asked about the data structures I have read about.

- Real life use of Binary Tree.
- What are stacks and queues ? real life use.
- Given two arrays , one array having just one element extra from the other. The elements are jumbled in both the arrays. How to find that extra element?
- Asked if I know pointers and then asked about File pointers. He asked to write a code in C++ for reading a file (let's say Resume.txt)
- He asked about Code Coverage & GDB Debugger.
- Write a query for "List all the orders with corresponding customer information". (Order and Customer table was given)
- Solve a puzzle. "10 white and 10 black socks are put in a box. Tell the minimum and maximum number of attempts required to get one pair of socks"
- In which field I am interested.

Some students were also selected for round 3.

Verdict : Selected for Intern + FTE