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Microsoft Interview experience | Set 123 (Off-Campus)

- Difficulty Level :[Medium](#)
- Last Updated :20 Dec, 2018

Round 1

Online test on CoCubes contains 3 Coding Questions (Only Function to complete)

1. Given a number N [find the binary conversation of node is palindrome or not](#) if yes return set bit in that number else return -1.
Using of extra space is not allowed

```
\r\nExample - \r\nif n = 7 \r\nAnswer: 3\r\n
```

2. [Given an array and a number x find the numbers of pairs of numbers of 3 no. With sum equal to x](#) else return -1;

```
\r\nExample - \r\na = 6 7 8 9 10 11 12 & x = 27\r\nAnswer: 3\r\n
```

3. [Given linked list segregate even & odd node reverse even node and append at the end of odd node.](#)

```
\r\nExample \xe2\x80\x93 \r\n1 ----2 ----3----4----5-----6\r\nAnswer: \r\n1-----3-----5-----6-----4-----2
```

After this round 11 are shortlisted for direct interview. I was one of them.

Many are selected form Group Fly round where they were asked to do paper coding.

After Group Fly 4 more are selected for interviews.

Round 2

Face to Face Technical Interview Round (35 minutes)

1. Tell me about yourself?
2. How was the first round?
3. Encode the string in place-

```
\r\naaabbbbcdefaa\r\na3b3cdefa2
```

4. Encode the string in place-

```
\r\naaabbbbcdefaa\r\na3b3c1d1e1f1a2
```

(Check all the boundary cases length is >10& use realloc to provide extra space)

Out of 15 only 5 are selected by Microsoft IDC. I was not one of them. Most of us are eliminated after First Technical Interview.

In coding round the selection is based on time taken to make the code (Since codes are easy) & efficiency of the code. So try to complete as early as possible.

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