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Microsoft Interview Experience | Set 77 (For IDC Internship)

- Difficulty Level :\nMedium
- Last Updated :\n18 Dec, 2019

Recently Microsoft visited our campus for IDC internship program and following is my interview experience.

Online MCQ Round: It consist of 15 MCQ Questions on Cocubes.com.This was an easy round and consists of mainly output questions of c++/Java .Apart from this some questions on Virtual functions and Operating Systems.

Online Coding Round:

Two coding problems in one hour,again on Cocobues.com

1. Save all leaf nodes of a Binary tree in a Doubly Linked List by using Right node as Next node and Left Node as Previous Node.

https://www.geeksforgeeks.org/connect-leaves-doubly-linked-list/

2.Given an array,find the maximum j \xe2\x80\x93 i such that arr[j] > arr[i] .

https://www.geeksforgeeks.org/given-an-array-arr-find-the-maximum-j-i-such-that-arrj-arri/

It took me 40min to code both the Questions.

Group Fly Round:

Since I was among top 4 student till second round therefore I was selected directly for Interviews. But yeah according to my friends this was a bit tough round.Only 3 students were shortlisted from the remaining students.

Interview Round I:

Firstly,Tell me about yourself and some discussion on projects.

Coding Question on pen & Paper: Convert a String to Integer considering **each and every damn corner case**.

Interview Round II:

Shortest Round among all,One Coding Question on pen & paper:

Remove **Alternate** Duplicate characters from a **char array** you have to do it **in Place**.Like keeping **only the odd occurrences of each character**.
Example:

Input: \xe2\x80\x9cyou got beautiful eyes\xe2\x80\x9d

Output: \xe2\x80\x9dyou gtbeaiful es\xe2\x80\x9d

Allowed Time Complexity was **O(n)** and Space Complexity was **O(1)**.It took 10min to come up with an algo.The interviewer was satisfied with my algo and said \xe2\x80\x9cno need to write the code\xe2\x80\x9d.

Hint : Use two Pointer Method and Bool array of length 256.

A Big Thanks to GeeksForGeeks.Except the Last question all questions were from GeeksForGeeks

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All Practice Problems for Microsoft !

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