

# Microsoft Interview Experience | Set 136 (On Campus for Internship)

- Difficulty Level : [Medium](#)
- Last Updated : 18 Dec, 2018

**First Round** consisted of 3 easy coding problems to be solved on an online platform (CoCubes) . The problems were fairly easy and didn't require much thought . Extra marks were given for optimized solutions requiring less memory and time . Problems were as follows

1. Given 2 numbers **m** and **n** , find if the sum **m+n** has the same number of digits as **n** . If true then print **m+n** otherwise print **n**.
2. [Given a binary string\(a string consisting only of 0s and 1s\) find the length of the longest contiguous occurrence of 1s.](#)
3. Third question was to [find length of longest AP in given set of numbers.](#)

From those who qualified the online coding round 14 people were selected for direct interview and 10 people were selected for an additional fly round . From those 10 , around 3-4 were selected for interviews.

## First Interview:

The interviewer asked me to give a short introduction about myself and then based on my disciplinary electives ,

- He asked me to design a simple Information Retrieval system. Given a file containing various phrases , he asked me to provide an outline for building a query system such that it autocompletes the query the user is typing . He didn't ask for any code , just for a basic outline of the functions that would be used and the data structures I thought would be implemented while building such a system.

## Second Interview:

Interviewer asked me two questions Algorithms one was based on trees and DP and the other was a question on Depth First Search.

## Third Interview:

Interviewer asked a simple problem

1. [Print all nodes at distance k from a given node](#)

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