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Microsoft Interview experience | Set 121 (On-Campus for Internship)

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

Round 1:

We were given 3 coding questions. There were many different sets. Most questions were implementation based. Some of them were based on data structure like linklist and bst. They were:-

- [Inorder successor of given node in bst](#)
- [merge two sorted linklist in reverse order](#)
- [longest increasing subsequence](#)

Top 45 were selected after this round; from which top 5 were called directly for personal interview and rest went for group fly. Time 75 minutes.

Round 2(Group Fly):

In this round all candidates were asked to write code on paper for given problem.

- The problem was:- Given an array, [find the maximum average of elements in a window of size k](#).

Time 25 minutes. Top 10 students were selected for personal interview.

Personal Interview 1:

It was a technical round. I was asked to write code for two questions.

- [First was to reverse a given string.](#)
- In second question [I was asked to print each character appearing in string with its frequency in lexicographical order](#)
- Then he asked difference between array, stack and heap.
- After that I was asked what should I test if I am tester of an application.
- At last he asked me to write an SQL query.

Some of students were shortlisted for next interview.

Personal Interview 2:

It was HR/Technical Round.

He asked me to introduce myself and also asked about my hobbies. He gave me two coding questions.

- First was to [longest palindromic substring in given string.](#)
- Second was to [traverse a matrix in spiral order.](#)
- Then he asked me about my project.

- After that he asked a puzzle on how to divide a 10 m rope into 5 equal parts without using any measuring instruments
- At last he asked me the difference between multi threading, multi tasking and multi programming.

6 students were shortlisted for next interview.

Personal Interview 3:

This was the last round.

- In this round interviewer asked me about uses of heap and hash.
- Then he asked me to explain 4 normal forms and the requirement for de-normalisation.
- At last he asked some questions on my project.

All 6 students were selected for the internship.

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