Nagarro Experience

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Course: M.Sc. CS 2nd year

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34 Students were selected for 1st Round (14 M.Sc. and 20 MCA)

1st round of 1 hour (34 students)

It was an **aptitude + technical ability test** (every section was MCQ and OMR sheets were provided to mark the answers. I must say quantitative was little tough)

30 question of aptitude has 2 sections:-

1. 20 questions of quantitative aptitude consist of time-distance, profit-loss, work- wages, investment, algebra, pipe and cistern, etc. (no geometry and mensuration this time)
2. 10 questions of logical thinking mostly - finding next element in series, coded words, data interpretation, sitting arrangements etc.

Technical ability test consist of 20 questions mostly consist of c, c++ and java related questions (output finding, stacks, trees etc.)

2nd round of 75 minutes(22 students)

It was a **paper-coding** test.3 questions were given

1. Given an expression consist of numbers (any number of digits) and only two operators '+' and '*'. The input is given as string. Evaluate the expression.

   Example, Input: 25+30*10

   Output: 325

2. Given an array of positive numbers and a Number N. Find all the sets of numbers whose sum become equal to N.

   Example:

   Input : [12 ,13 ,5 ,8 ,7 ,10 ,6 ,1 ,2 ,4] N=11

   Output: [8, 1 , 2]

   [7 , 4]

   [10 , 1]

   [6 , 1 , 4]

3. Given an unsorted array of both positive and negative numbers. Find the partitioning point in array such that after partition [Sum of right sub array - Sum of left sub array] is maximum.

   Input: [-2, -3, 4, -1, -2, 1, 5, -3]
   Output: 1
   Explanation: Two sub arrays are [-2, -3] & [4, -1, -2, 1, 5,-3] and there difference is 9 by partitioning at index 1.

3rd Round Face To Face Technical Interview(12 students)

This round was completely **technical**.

Interviewer asked me about the question in which I am completely confident .I chose 3rd question because it was a 15 line code and according to me it was completely correct. But unfortunately I was wrong and the code was incorrect, but the approach was absolutely correct. I just miss a point in it.

Then he switch to my 1st question. I used a stack for this question and a temporary string to traverse the numbers. This is how I explained it to him:-

1. I start traversing the string from left to right.

2. If I get an operator +, I convert the currently traversed string to number and push it to the stack, If the operator is '*', I pop the top of the stack and traversed the next number (by traversing up to next operator and then convert it to number).I multiply the popped element and this currently traversed element and push the result back to stack.

3. After completely traversing the string I popped every element from stack and sum it into result and return the result.

The code was Correct.

I did not attempt the 2nd question because it was a Dynamic programming question. I told him about it and then we are done with this round.

6 Students filled the HR round form + an extra form (I think it was an employment Form)

4th Round HR(6 students)

I was called for HR Round. It was the simplest round. He starts with tell me about yourself question and then asked me about my preference of coding language, my strength and weaknesses , My rank in M Sc. Entrance, How I ranked myself in coding in my class, Do I know any senior working in Nagarro, Why Nagarro etc.

Next Day the results were mailed. All the 6 were selected.