Amazon Interview Experience | Set 209 (On-Campus)

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Round 1:-

MCQ \xe2\x80\x93 Memory management , angle between hands of clock at a certain time , Inheritance etc

Coding :- There were 2 coding questions

1) [Given 2 Strings , check if any anagram of one string is a substring of the other string](#)

2) Given some friends on Facebook say A, B, C, D. and their friendship as AB and B C
We need to find out the minimum Hops from a query say:- for A to C the hops should be 2 A to B and B to C , ([Floyd Warshall Algorithm](#))

I solved approximately 17 correct MCQ\xe2\x80\x99s out of 20 and Both the Coding questions.

Round 2:-

This round was the longest . (1 hour 40 min) approx

first slight discussion on a project . I was discouraged to explain in detail and asked to give high level discussion .

3 questions :-
1) [if we throw light from the left of a tree , what nodes receive light .](#)
2) extended first question and asked boundary traversal of a tree
3) asked to search an element in a sorted and rotated array

Round 3 :-

(45 min)

2 questions :-
1) Given an array of positive and negative integers we need to find the longest subarray where sum =0
first gave o(n^3) then o(n^2) then finally o(n)time+o(n)space
2) [given an array of size n-1 and given that there are numbers from 1-n with one missing ,the missing number was to be found](#)

Round 4:-
(1 hour 15 min)

4 questions :-
1) given a number line from -infinity to +infinity what are the mnimum number of hops required to reach a number given the condition at step j I can take j steps forward and j steps backward
2)what datastructure to use to implement best fit algorithm , I gave a skip lists solution which i thought was a strong solution
3)[Traverse a binary tree in zig zag order](#) \xe2\x80\x93 very common question
4) given some values [M] [T] [R/W]
M- memory address
T- time slice

R/W- Read/ write
the number of conflicts were needed to be found out !

I couldn\xe2\x80\x99t make it after this round \xe2\x80\x93
Why I got into such a predicament was because I was to excited and was asking too many
questions and trying to discuss CS concepts which were unrelated to the problem in hand .

Only 2 tips :-
1) **Geeks for Geeks is a MUST, so is [GeeksQuiz](#)**
2) Speak as little as possible the interviewers would not be interested in answering your questions
with the time constraint that they have , Short discussions are acceptable but I was trying to ask too
many questions and telling them about stuff I knew without them asking .

Thank you Geeks for Geeks for making answering amazon questions easy !!

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