Amazon Interview | Set 36

Difficulty Level :\nBasic
Last Updated :\n17 Jun, 2019

1 round (20 MCQ + 2 coding question) 3 face to face round, 1 telephonic interview.

1st coding question

2nd coding question

1st face to face Round

\xe2\x80\x94\xe2\x

I was able to solve the problem with bottom up approach, and able to write a working code of it.

Q-2) Given an array of positive numbers, find the maximum sum of a subsequence with the constraint that no 2 numbers in the sequence should be adjacent in the array. So 3 2 7 10 should return 13 (sum of 3 and 10) or 3 2 5 10 7 should return 15 (sum of 3, 5 and 7).

I was able to give him a DP solution with a Parent array which stores thee index of the parent of every element, i hd put -1 for the first element, at the end I backtrack the array to find the all the elements.

2nd face to face Round

\xe2\x80\x94\xe2\x

After some personal questions, the interviewer asked 1 coding question

Q-1)

n1 pairs of \xe2\x80\x9c{} \xe2\x80\x9d brackets

n2 pairs of \xe2\x80\x9c[] \xe2\x80\x9d brackets

n3 pairs of \xe2\x80\x9c() \xe2\x80\x9d brackets

I have to find the all valid combinations of all the pairs. I have to write the working code of it.

I gave him the solution with recursion and stack.

3rd face to face round

Interviewer asked some basics Questions on Design patterns, OOPS and OS, after the big Discussions of all the Questions he asked 1 coding questions.

1st Question

\xe2\x80\x94\xe2\x80\x94\xe2\x80\x94

There is a string, in which all the spaces are removed, we have to find the original string with the help of a machine which takes input a word checks that it is valid or not.

Telephonic Interview

 $\label{eq:linear_control} $$ (x80)x94)xe2(x80)xe2(x8$

The Interviewer asked to give a brief idea about my project.

After some questions on my Project, the interviewer asked 2 coding question

Q-1) tree to doubly link list. O(n) and in-place solution is required.

Q-2) A array of N elements, we have to replace all the elements with nearest greater which is present on the right side of that elements. O(n) is required.

After 2 days, they inform me that I am selected for the job. \xf0\x9f\x99\x82

\xc2\xa0

If you like GeeksforGeeks and would like to contribute, you can write article and mail your article to contribute@geeksforgeeks.org. See your article appearing on the GeeksforGeeks main page and help other Geeks!!

All Practice Problems for Amazon!

My Personal Notes\narrow_drop_up

Add your personal notes he

Save

.

