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Amazon Interview | Set 106 (On Campus for Internship)

- Difficulty Level :[Easy](#)
- Last Updated :[20 Jun, 2019](#)

Amazon came to our campus recently for placements and internships. I attended for internship and i am sharing my experience here.

First Round: Online:

20 MCQs based on basic aptitude, OS, C programming and data structures.
2 coding questions:

- Consider a coordinate system consisting of n coordinates from (x_1, y_1) to (x_n, y_n) . Also there are two values y_{min} and y_{max} given to you. You have to return $\min(D)$ where D is $x^2 + y^2$ for all y lying between y_{min} and y_{max} inclusive. If there is no such y then return -1.
- [Given a number \$n\$ and a number \$k\$. You have to find the next bigger number from \$n\$ which is obtained after exactly \$k\$ swaps.](#)

Eg: Take $n=43592169$ and $k=5$
1st swap: 43952169
2nd swap: 49352169
3rd swap: 94352169
4th swap: 94532169

First Interview:

1. [Check if a linked list is palindrome or not.](#)
2. Given an array of n integers (positive or negative). Find the maximum sum of subsequence of the array and also total number such arrays possible having the maximum sum.

Second Interview(Final):

1. [A linked list consists of two pointers: a next pointer and a child pointer. We have to make the linked list linear](#) i.e. making all the child pointers NULL.

eg: 1->2->3->4
|
5->6 8
|
7
answer would be: 1->2->3->4->5->6->8->7

2. [Given a distance \$n\$. A person standing at position 0 has to reach \$n\$. He can either take 1 step or 2 steps at a time. In how many ways he can reach there.](#)

Finally some definitions from OOPS, OS and basic data structures.

I was finally hired for the Internship at Amazon. I would like to thanks Geeks for Geeks which helped me a lot in my preparation.

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[All Practice Problems for Amazon !](#)

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