Round 1:

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Q1. Find largest connected area in a 2D matrix containing 0's and 1's. Any element can be connected to all its 8 adjacent elements.

Q2. Given an array containing negative & positive integers. Find follow

           a. Maximum sum of contiguous sub-array

           b. maximum sum of Non-contiguous array

Round : 2

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Q1. Given a binary tree, popular each node's "succ" pointer with its in order successor node.

Q2. A design question related to "Customer service"

Round : 3

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Q1. Given an array having non-negative elements and from each elements (say ith element) you are allowed to jump **upto** Array[i] positions towards right. Find the minimum number of jumps required to reach end of array.

Q2. Given a binary tree check return whether it is a Binary search tree or not.

Round 4: (Hiring manager)

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Q1. Given set of buildings with different heights beside each other and its rained heavily. Find amount of water that can be accumulated on top/middle of those buildings.

Q2. Some situation based questions

1. Any project that you did mistake and covered up next time & how ?

2. Tell me about yourself

3. Any project that became high prioritised un-expectedly ?

Round 5: (Design round)

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Q1. Give a design to support bulkOrders or corporateOrders by re-using existing apis for BAU customer orders (such as placeOrder, validateOrder, confirmOrder, etc,.).

Q2. Any work that you have minimised in tech area by some workaround, etc,.

and some other situation based questions.

Round 6 (Bar Raiser):

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Given a doubly linked list convert it to a binary tree with head as root and childs in level order spiral form.

Input: (Doubly linked list)

1 -> 2 -> 3 ->4 -> 5 -> 6 -> 7 -> 8 -> 9 -> 10

Output:

           1

       3                           2

4             5             6            7

     15     14   13    12    11   10     9     8