

Amazon Interview experience | Set 327 (Off-Campus for SDE-1)

- Difficulty Level : [Hard](#)
- Last Updated : 08 Jul, 2019

I was Invited to attend Interview at amazon Hyderabad for the position of SDE 1 and I had the following rounds.

Round 0 coding

1. [Given an array find the maximum consecutive and non consecutive sum and print them.](#)
2. [Given a matrix find the number of 1s in the maximum island \$MAT\[i\]\[j\] = \{0, 1\}\$.](#)

Round 1 Data Structure

1. [Given a tree return the number of elements for the level with the maximum elements.](#)
PS : all null nodes between two non null nodes need to be counted and null nodes can have null children which also can be counted.
eg [null, 2, 1, null, null, 3, null] in this level all nodes between 2 and 3 will be counted i.e. 5
2. Asked about what data structures I knew and what data structure will I use to make a cache. the answer was Hashing.
3. Asked what data structure would i use for maintaining cricket scores.
the answer was priority queue.

Round 2 Algorithms

1. [Given a binary tree find out if it is a BST](#)
2. [Given a binary tree root and a node ,print all nodes at K distance from the node.](#)
3. Given an array it can be of 4 types
 - Ascending
 - Descending
 - Ascending Rotated
 - Descending Rotated

[find out which kind of array it is and return the maximum array.](#)

Round 3 Design

- Asked me the word breaking problem which I couldn't solve and this round didn't go well.

Round 4 Managerial

1. Asked about my current company and work done over there.
2. Asked me a problem to [convert Integer to Roman while handling all the corner cases.](#)
3. Asked about [process and Threads](#)
4. I asked about the team and kind of work to be done

I would like to thank **GeeksforGeeks** to provide such a huge variety of problems and a progressive

way to approach any problem.

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