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Amazon Interview Experience | Set 255 (On-Campus)

- Difficulty Level :\nMedium
- Last Updated :\n04 Jul, 2019

Amazon visited our campus. It started with a online coding round and followed by one telephonic and then 3 face to face interview and again a telephonic interview. All interview rounds started with brief introduction about me.

Round 1(Online Coding Round):
Asked 2 coding question and 20 mcq from Computer science fundamentals (OS, DS, DBMS, Networks etc.)

1) [Given n non-negative integers representing an elevation map where the width of each bar is 1, compute how much water it is able to trap after raining.](#)

```
\r\n   Input: arr[]   = {2, 0, 2}\r\n   Output: 2
```

2) [Check whether two strings are anagram of each other.](#)

Round 2 (Telephonic round):

1) Tell me about yourself.

2) [Vertical Sum in a given Binary Tree](#)

3) Project Discussion

Round 3 (f2f onsite):

1) Tell me about yourself.

2) [Sort a linked list of 0s, 1s and 2s](#)

3) [Find duplicates in O(n) time and O(1) extra space.](#)

Round 4 (f2f onsite):

1) [Design a data structure that supports insert, delete, search and getRandom in constant time](#)

2) Given a continuous input stream of integers, can you find the maximum N numbers at any given instance?
https://www.quora.com/Programming-Puzzles-Given-a-continuous-input-stream-of-integers-can-you-find-the-maximum-N-numbers-at-any-given-instance

3) lca of k nodes in given bst

4) [K\xe2\x80\x99th largest element in a stream](#)

5) [Lowest Common Ancestor in a Binary Search Tree.](#)

Round 5 (f2f onsite):

1) Floor and Ceil from a BST

https://www.geeksforgeeks.org/floor-and-ceil-from-a-bst/

2) [Find the two numbers with odd occurrences in an unsorted array](#)

3) [Find the Number Occurring Odd Number of Time](#)s

4) Project Discussion

Round 6 (Telephonic round):

1) Tell me about yourself.

2) Most proudest moment in last one year.

3) Most regretted moment in last one year.

4) Asked about what data structure and alogithms did i know then asked what is segment tree.

5) Reverse the stack using recursion
https://www.geeksforgeeks.org/reverse-a-stack-using-recursion/

6) External merge sort
https://en.wikipedia.org/wiki/External_sorting

7) Project Discussion

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[All Practice Problems for Amazon](#) !

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