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Amazon Interview Experience (Pool campus-2019)

- Difficulty Level :\nHard
- Last Updated :\n15 Jul, 2019

This year Amazon has visited Chandigarh University for pool campus drive. Since there is no restriction on colleges, Nearly 2500-3000 students appeared for the test.

Package Offered: CTC: 28.75 Lakhs (Base: 13 LPA\xc2\xa0 + 1st Year Sign On Bonus: 3, 50, 000 + 2nd Year Sign On Bonus: 2, 25, 000 + Restricted Stock Units vested over 4 years: 10 Lakhs (5%+5%+40%+40%))

Job Profile: Software Development Engineer

Courses Eligible: B.Tech/M.Tech (CSE/IT/ECE/EEE/EE)

Round 1: Online Test on Hackerrank

The test consisted of 20 MCQ\xe2\x80\x99s and 2 coding questions. MCQ\xe2\x80\x99s were from various concepts related to Operating Systems, DBMS, DS & ALGO, Aptitude, Coding Output Questions.

Coding Questions:

1. Longest Increasing Subsequence
2. Maximum sum such that no two elements are adjacent

Nearly 150 candidates are shortlisted for the interview round. Nearly all the students who solved both the coding questions were shortlisted for the further round.

Round 2: Technical Interview(Total:4)

Since I don\xe2\x80\x99t remember questions asked round wise, I am sharing all the questions that I remember. These questions were asked in the interview with various students.

1. Print Left View of a Binary Tree
2. Print Right View of a Binary Tree
3. How to check if the given tree is a BST or not?
4. Snake and Ladder Problem
5. Check whether the given tree is a perfect binary tree or not?\xc2\xa0
6. Bridge Building (DP)
7. Median of Stream of Running Integers
8. Kadane Algorithm (Also with slight modifications in it Like count number of elements which form maximum sum in the array. You can delete one number in the array, find maximum sum of contiguous array elements)
9. Clone a Linked List

10. Stack from Queue
11. LRU Cache Implementation
12. Check if a tree is\xc2\xa0a mirror of itself
13. Given a Binary Tree, Count how many subtrees are possible which are BSTs
14. Detect loop in linked list
15. Find\xc2\xa0Closest Palindrome Number
16. Find smallest Palindrome nearby given number
17. Given a string, Is it possible to shuffle characters to make it\xc2\xa0 palindrome
18. Given a string, Is it possible to\xc2\xa0arrange characters such that no same chars are adjacent
19. Given a BST, Find out the no. of pairs of nodes whose absolute difference is less than k without using extra space (I guess only the interviewer know the answer for this problem :-P) If someone found a solution for it please\xc2\xa0share it.

In total, you have to go through 4 technical interviews in order to get selected and the major skills that you must possess are Excellent Problem Solving and Coding skills. Some of the interviewers also asked questions from operating systems and SQL queries. In total 15 candidates\xc2\xa0were selected.

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