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Amazon Interview Experience | Set 170

- Difficulty Level : \nExpert
- Last Updated : \n28 Jun, 2019

Round 1 \xe2\x80\x93 Telephonic

1. [Find element in an array which have elements in first increasing and then decreasing order.](#) (code)
2. [Find if two nodes in a tree are cousins or not.](#) (code)

Round 2

1. [Find sum of all numbers that are formed from root to leaf path](#) (code) expected time complexity $O(n)$
2. [Zig-Zag level order traversal.](#)
3. [Preorder traversal](#) without using recursion.

Other questions related to my work in my current company

Round 3

1. Grilled me about my current company and current work.
2. [Print top view of a binary tree](#) (code)
3. Why amazon?

Round 4

1. Find median of an unsorted array. (code)
2. General discussion on heaps
3. [A stream of characters is coming, at any moment you have to tell \xe2\x80\x93k\xe2\x80\x93 elements closest to a given number](#) (code)

Round 5 (Bar raiser)

1. Design a system which would make a schedule for a user to complete a book in given number of days. A pre condition is that the schedule for every day should end at the end of some chapter.

Ex \xe2\x80\x93 3 chapter with 10 pages each and user has to complete this book in 2 days, then the schedule should be either be 2 chapters on first day and 1 chapter on second or 1 chapter on first day and 2 chapters on second. (code)

2. Tell me about a time when you couldn't implement the best solution because of a close deadline.
3. What did you do about it afterwards.
4. General design pattern related questions like what if we use singleton design pattern for question 1

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[All Practice Problems for Amazon !](#)

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