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Amazon Interview experience | Set 336

- Difficulty Level :\nHard
- Last Updated :\n09 Jul, 2019

Round 1 \xe2\x80\x93 HackerEarth 2 questions (Online)

1. [Find the distance between 2 nodes in a BST(Binary Search Tree)](#)
2. [Given a graph, find the Topological Sort](#).

Round 2 \xe2\x80\x93 Team Lead (F2F)

1. system design to show the list of suggestion when a user is buying and item. Example: the user will buy a pencil and will see a list of other pencils, pens and erases.
2. Behavioural questions,.

Round 3 \xe2\x80\x93 Senior or principal engineer(F2F)

Almost same behavioural questions :

- Most challenging project
- tell me one time where you did something without everyone knowing because you thought you could make it better
- time you disagreed with your manager
- hardest bug.
- Given a log file containing {timestamp,begin/end,requestId} (the begin/end is a flag to identify when a request started and finished) define the peak of transaction running concurrently.

Round 4 \xe2\x80\x93 Manager (F2F)

1. Lots of behavioural and prior project questions(almost the same again)
2. [Given an array, shuffle it(Sort it random)](#).

Round 5 \xe2\x80\x93 Bar Raiser(F2F)

1. Questions about decisions I made in prior project(lots of whys)
2. Given a set o coordinates(double X and y) and an angle. Calculate the max of points that could fit inside the angle.
   Approach: calculate the angle for each point this way we can have a simple list of angles and then iterate through them to see if the difference is equal or lower to the given angle and then count the max points group

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