

Amazon Interview Experience | SDE-2

- Difficulty Level : [Medium](#)
- Last Updated : 15 Jul, 2019

Round 1: (Technical)

Given a building as a 2D matrix with three possible values at each cell: P for Person, W for Wall and E or Emergency Exit. For every person we need to find the minimum number moves to reach to (nearest) exit.

Given a stream players with player number and score. At any point of time, given a rank we need to return player. Implement data structure to support add player and get rank in optimum time.

Example:

add(P1, 25), add(P2, 15), add(P3, 20), add(P4, 40)

rank(1): Return P4

rank(2): Return P1

Round 2: (Technical)

[Given an array of numbers, print all the numbers if there are at least two numbers greater than element](#)

[Snake ladder game](#)

Find the minimum prefix required for each string

Input: dog, dock, zebra, cat, cord

Output: dog, doc, z, ca, co

Round 3: (System Design)

What was the quality improvement you have done in your team

What was the decision you have taken in the absence of your manager

Design Online Chess Game: Functional & Non-Functional Requirements, HLD, LLD and DB Entity Schema

Round 4: (Hiring Manager)

Why are you changing

Why Amazon

What was the thing you felt is sub-optimal when you were using Amazon site

Given a class with 25 members and a constraint is not to have an object in memory with partial members set and caller should have easy way of creating an object (Answered with Builder Pattern)

\xe2\x80\x93 Design Alert System for Price Down of a Product

Round 5: (Bar Raiser)

\xe2\x80\x93 Why are you changing

\xe2\x80\x93 Why Amazon

\xe2\x80\x93 Most recent technical challenging work

\xe2\x80\x93 Team concern you solved

\xe2\x80\x93 Situation where you had a conflict with your manager

\xe2\x80\x93 What did you improve in your team

\xe2\x80\x93 Innovative work done

\xe2\x80\x93 Why Amazon asked again at the end of the round

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