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Amazon Interview Experience for SDE-1 | 1 Year Experienced

- Last Updated : 28 Dec, 2021

Applied through employee referral. Got an email for giving coding test within couple of days

Round 1(Coding Round):

1. First question was similar to <https://www.geeksforgeeks.org/find-k-closest-points-to-the-origin/>
2. Given an array of integers, find number of pairs of elements who have sum less than value

Tip: Solve coding round questions using brute-force solution.

In a couple of days, got a call for scheduling interview rounds.

Round 2(Technical Interview 1): Taken by Senior SDE with 3-4 years experience.

1. Questions on current work and leadership principles.
2. Find the smallest value in array larger than a given value X. (Discussed Heap solution as well as Sorting + Binary Search solution, asked to code either of the two from scratch (implement heap data structure or merge-sort/quick-sort) as both will have worst case of $O(n \log n)$)

Round 3(Technical Interview 2): Taken by SDE II with 2+ years experience.

1. Questions of current work and tech stack currently working on.
2. <https://www.geeksforgeeks.org/sort-linked-list-already-sorted-absolute-values/>
3. <https://www.geeksforgeeks.org/sliding-window-maximum-maximum-of-all-subarrays-of-size-k/>

After this round, received a mail for further rounds

Round 4(Hiring Manager):

1. Detailed discussion around current work, technologies worked on, reasons to look for change and other managerial based questions.
2. <https://www.geeksforgeeks.org/snake-ladder-problem-2/>

(Initially started solving using DFS by finding all paths but after discussion, landed on BFS solution)

Round 5(Bar Raiser):

1. Detailed discussion around current work and experience
2. <https://www.geeksforgeeks.org/median-of-stream-of-integers-running-integers/>

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