Tell me about yourself

I've added projects in the resume - hence asked about them

Coding questions:

1. Valid Parentheses

2. 3 sum

Leadership principles:

1. Tell me a situation where you intentionally learned a skill which is not required for the role or company

2. Tell me a situation where you couldn't complete a task and how you dealt with it. How did you inform your manager?

3. Tell me a situation where you had to take a risky decision as your manager is not available and how did you deal with it

4. Tell me a situation where you did something out of your responsibilities and what and how much did it impact

Follow up questions

Introduction

Tell me about a time where you did something outside your responsibility area for the team.

Answer in star technique

Coding questions: linked list cycle detection.

Reverse the words in a string

Time and space complexities were asked and also better approaches.

For the second ques they asked if I can implement it using stack

Tell me about yourself.

Coding qstns..

1. Find if a number is palindrome

2. Find the index of a number in sorted array -- binary search

Leadership principles- will be based on your resume.

Mine was

1. Tell me about a time when you had jumped in to support your peers. - follow up questions will be there about how you managed the other tasks in hand.

2. Tell me about a time when you had delivered in tight deadline. (Again follow up qstn on managing the priorities)

Other questions about

Stack

Queue

Can stack and queue be implemented using linked list

Which is better array or linkedlist to implement stack and queue

Show how you'll implement the stackusing linked list

Types of linked list

Feedback or follow up qstns.

1) Started with exchanging information about self.

2) He started with coding questions directly.

Coding Q.1)

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Given an array of integers nums and an integer target, return indices of the two numbers such that they add up to target.

You may assume that each input would have exactly one solution, and you may not use the same element twice.

You can return the answer in any order.

Input: nums = [2,7,11,15], target = 9

Output: [0,1]

Explanation: Because nums[0] + nums[1] == 9, we return [0, 1].

Input: nums = [3,3], target = 6

Output: [0,1]

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Coding Q.2)

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Integer array of size n : 1, 2, 3 ,4, 5, 5, 6, 7

you have find the number which was repeated..

Followup Q. - Is Array sorted ? - No

Input = 1,4,2,4,6,5,3;

Output = 4;

Sum = 28;

Input = 2,4,3,5,5,1;

Output = 5;

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3) He started with leadership principle questions round:-

i) Tell me about a time where you required some information but you did not get a response from the source where you are reaching to, What did you do in such situation?

ii) Tell me about a time where you did not have enough information/idea about how to go forward on the task you are performing, how did you get the information and completed the task?

4) Any questions for Interviewer?

i) Asked about his prior experience as he did not shared it in his introduction.

ii) Asked everyone is using ChatGPT, even SDEs are using ChatGPT, will it impact the SDE sector?

iii) Asked if only L5 does commit the code in amazon or it depends on the tasks.

iv) Does amazon use code.amazon.com as record keeping repository or it actually works as source to our app?

1-2 questions on amazon leadership priciple but not to worry about that.

Coding questions were about String and array.

Q1. Find occurance of first String in second String

Q2. Find the most frequent digit in given Array

1) About yourself and Experience?

2) What did you learn in Atlas?

3) DSA - What is DSA?

i) Which algos learned?

ii) What is time complexity? and what is space complexity?

Coding question :- a) A and B two variables, How will you swap value without using third variable?

b) What is TC? what is SC? Reason?

iii) Is Java OOP programing language? What does it mean? Use the word for which you know the meaning?

No SQL questions?

iv) OS - basic structure and 7 Layer questions?

v) Type of sortings? Which is better sorting?

vi) Candidate is learning HTML,he shared in about info, hence asked -> Element and Tag difference, which tag is used for paragraph?

vii) what are Amazon Leadership Principles? which is your favourite?

viii) Questions on 2 leadership principles. Ownership, Learn and be curious

ix) Feedback Questions for Interviewer?

You are an amazon delivery and you have some boxes that you have to deliver, but there are some conditions -

You can take 2 boxes of same weight in one round

you can take 3 boxes of same weight in one round

You have to find the minimum number of rounds to deliver the boxes or -1 if it is not possible to deliver them.

Example cases -

Input: boxes - [2, 2, 3, 3, 2, 4, 4, 4, 4, 4]

Output: 4

Explanation: 3 boxes of weight 2 in 1st round, 2 boxes of weight 3 in 2nd round, 3 boxes of wt 4 in 3rd and 2 boxes of wt 4 in 4th round.

Input: boxes - [2, 3, 3]

Output: -1

Explanation: There is only one box with weight 2 and we can only take either 2 or 3 boxes in one round not lesser.

Two question were asked :

As a intern at Amazon, you have been assigned a task to implement the three sign in pages, each with its own API

Register , Login, Logout

Notes:

Initialy, there are no users registered

If a user is already logged in and makes a login request, the new request is unsuccessful, The original login remains active

Each log is an API request and is in one of the three allowed formats

The order of execution of each requests is the same as order of the input.

The username and passwords are case-sensitive.

STDIN

5

register david david123

register adam 1Adam1

login david david123

login adam 1adam1

logout david

Sample Output

Registered Successfully

Registered Successfully

Logged In Successfully

Login Unsuccessful

Logged Out Successfully

Amazon stores its data on different servers at different locations. Amazon needs to moves its data from one location to another. This challenge involved keeping track of the locations and report them at end of the year.

At the start of the year, Amazon's data was located at n different locations. Over the course of the year, Amazon's data was moved from one server to another m times. Precisely, in the ith operation, the data was moved from movedFrom[i] to moved To[i] Find the locations of the data after all m moving operations. Return the locations in ascending order.

Example TestCase -

locations - [1 7 6 8]

moveFrom - [1 7 2]

movedto - [2 9 5]

Problem 1

You are given a linked list head and key. You have to remove last occurence of key from linked list.

Example : 1->2->3->4->2->7 and key = 2

Output : 1->2->3->4->7

Problem 2

You are given a string s and interger value k. You have to find max length substring which contain exactly k unique character (you can assume string is made of lowercase alphabet only)

Example : s = "abcdefdgh" and k = 3

Output : "defd"