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Amazon interview Experience | Set 131 (For SDET 1)

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Amazon visited my college and offered me SDET-I position. GeeksforGeeks helped a real lot in my interview preparation. Thank you very much GeeksforGeeks!

Here is my interview experience:

Round 1 (On-line Coding Round on HackerRank):

1. Given an array of sorted integers which represent box sizes and an integer representing an item size

You have to find best fit box for the item (-1 in case of no box found)

For example:

Given 10,20,30,40,50,60,70 and 45

You have to print 50

Given 10,20,30,40,50,60,70 and 75

You have to print -1

Given 10,20,30,40,50,60,70 and 50

You have to print 50

2. <https://www.geeksforgeeks.org/forums/topic/find-a-string-inside-a-2-dimensional-array/>

F2F 1:

1. Given an array of integers

you have to output sequence $a_1, a_2, a_3, a_4, a_5, a_6, a_7$ such that $a_1 a_3 a_5 a_7$

For example:

Given 10,20,30,40,50,60,70

You have to print 10, 30, 20, 50, 40, 70, 60

At first, I gave answer using sorting. But my interviewer asked me to do this without sorting the input array, and I did it.

2. A simple question on Tree data structure which I don't remember.

3. Questions related to my project.

F2F 2:

1. A matrix is given which is sorted row wise and column wise

You have to print the sorted order.

For example:

Given

1 2 3 4 6 8

2 3 3 4 7 8

2 3 4 5 7 8

2 3 4 5 8 8

3 4 4 6 8 9

4 5 5 7 8 9

You have to print sorted order

2. Questions related to my project during my internship.

F2F 3:

1. What happens when we type amazon.com

Relating to this the interviewer asked me every step in detail including all 7 layers of networks. Protocols like: HTTP, HTTPS, DHCP, DNS, IMAP, POP, TCP, UDP etc. Their uses and differences.
2. Describe ACID property of a transaction (DBMS).

Bar Raiser(Telephonic):

1. Given a singly linked list, write a recursive method to reverse every 3 nodes in the list.

He asked me to inform if I have seen the question.

And I replied : Yes sir, it is the similar question I faced in coding round of Amazon-internship last year.

But he didn't changed the question.

I solved it with a silly mistake which i corrected when mentioned.

2. Long discussion on my internship and about the projects I have worked on.

3. Tell about your criticism.

4. 3 weaknesses currently i am working.

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