b'

Amazon Interview Experience | Set 175 (For SDE)

- Last Updated :\n19 Aug, 2019

Here\xe2\x80\x99s my interview experience for Amazon, Bangalore for SDE

Round 1 (F2F)

Q1.) Given a function rev(int i) which reverses the segment of array ar[] from 0-i, Implement a function sort() using rev().

Q2.) Given an array ar[] of length \xe2\x80\x98n\xe2\x80\x99 and an integer \xe2\x80\x98k\xe2\x80\x99 such that k < n. You need to maintain a window of size \'k\' starting from i=0 to i=k and print the MAX of that segment. The window moves forward by 1 element.

Round 2 (F2F)

Q1.) (Variant of Children-Sum Problem)
Given a tree, implement a function which replaces a node\xe2\x80\x99s value with the sum of all its childrens\xe2\x80\x99 value, considering only those children whose value is less than the main node\xe2\x80\x99s value.
Eg: input = 60->50->80->40 , output = 90->40->40->0

Q2.) There are millions of string in the database. How would you store them for efficient searching. You also need to print all anagrams together many times, now how would you store them and insert if a new string is added to database ?

Round 3 (F2F \xe2\x80\x93 Hiring Manager Round)

* Why are you leaving the company so early ?
* Discussions on project and current work in the previous company.
* Discussion on college projects.

* Design a game \xe2\x80\x98fifteen\xe2\x80\x99 \xe2\x80\x93 http://en.wikipedia.org/wiki/15_puzzle
Game me to write code of various moves, discussed optimization strategies and time-complexity if computer is given to solve it.

* Behavioral questions.

Round 4 (Telephonic)

Q1.) Most challenging problem faced (obviously in projects), how you solved it.

Q2.) Discussion on Design patterns.

Q3.) Design Uber \xe2\x80\x93 http://en.wikipedia.org/wiki/Uber_(company)
He was trying to judge what all aspects the person considers
Classes, Objects, search and booking cab algorithms, implementation and technology

Q4.) Extension of previous question \xe2\x80\x93 Write code to search nearest 10 cabs.

Code is required in all questions. Practice code on paper.

Thanks Geeksforgeeks for providing such a good platform to prepare.

If you like GeeksforGeeks and would like to contribute, you can also write an article and mail your article to contribute@geeksforgeeks.org. See your article appearing on the GeeksforGeeks main page and help other Geeks.

All Practice Problems for Amazon !

My Personal Notes\n*arrow_drop_up*

Add your personal notes her

Save

'