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Google Interview Experience | Set 3 (Mountain View)

- Difficulty Level :\nExpert
- Last Updated :\n04 Jun, 2019

About myself: I was contacted on Linkedin by a Google recruiter. I have 4 years of experience.

Phone screen
Warm-ups
1) Manually calculate bits in 146
2) Tell difference between big-endian and little-endian

Actual questions
1) kth largest element in array
2) Find minimum number of steps to reach the end of array from start (array value shows how much you can move). DP question

Next day recruiter called me for onsite interview.
I scheduled my onsite interview after 30 days to give myself sufficient time to prepare.

Onsite interview

Round 1
1) Design question based on storing images.Stress on performance and scale.
2) Divide number and return result in form of a string. e.g 100/3 result should be 33.(3) Here 3 is in brackets because it gets repeated continuously and 5/10 should be 0.5.

Round 2
1) Median of stream of numbers
2) Question like pancake sorting where you can only swap to sort an array of characters.

Round 3
1) Find count of a number in sorted array.
2) Design two player battleship game to be played over internet

Round 4
1) Design question based on wearable devices.
2) Draw a line on 2D array of boolean. You will be given start point and end point co-ordinates.

Round 5
1) Compare two documents(string array) based on n grams.
e.g doc1 \xe2\x80\x93 Today is Sunday.
doc2 \xe2\x80\x93 Today is Saturday
if n = 2 then number of duplicates is 1 (Today is)
if n = 1 then number of duplicates is (Today, is)
if n = 3 duplicates is 0

Final comments \xe2\x80\x93 You must do graphs, DP, string, array, bits and Link list questions from geeksforgeeks.

Design questions are much harder to answer than it seems. Prepare hard for them.

I appeal geeksforgeeks team to post more questions on design.

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 Google !

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