Google Interview(f2f): -

1. <https://www.interviewbit.com/courses/programming/topics/stacks-and-queues/problems/histogram/>
2. Given a 2-d matrix representing a museum, with each cell containing a character. O – represent art room, g – represent guardroom, and x – represent a closed room. Find the closest guard to all art rooms. (bfs)
3. Some question on dictionary, I don’t remember.
4. There are a 10k servers, and each contains millions strings. Sort the strings inplace. (merge sort)
5. Design a Twiter like system for your organization.
6. There are n buckets of coins, and two players. Each player can grab a bucket from either end, and both are equally intelligent. Find out the maximum coins collected. (<https://en.wikipedia.org/wiki/Minimax>)
7. Given an array of integers, find out the pair of numbers whose sum is closest to zero.
8. Given a short string and a big string, Find out the shortest window in the big string, which contains all the characters of the short string.
9. Given a set of strings, find out the max product formed by the lengths of the strings.