

Chapter 1. The Interview Process

- you might get through only one question in an interview related to Algorithm and data structure
- You should do your best to talk out loud throughout the problem and explain your thought process. Your interviewer might jump in sometimes to help you; let them. It's normal and doesn't really mean that you're doing poorly.
- at the end of the interview ,The interviewer should be able to give some hints about :
 - 1- How much help did you need
 - 2- Algorithm Complexity and How you could implement your algorithm into coding .
 - 3 - your previous experience (work - internships - projects ...etc)
 - 4 - Culture and communication skills
- If you're able to work through several hard problems (with some help, perhaps), you're probably pretty good at developing optimal algorithms. You're smart.
- you should learn the basics at least , you might ask why ? I won't use it but being aware that some data structures exist may help you to solve the problem instead of learning it from scratch .
- At the vast majority of companies, there are no lists of what interviewers should ask. Rather, each interviewer selects their own questions. Since it's somewhat of a "free for all" as far as questions, there's nothing that makes a question a "recent Google interview question" other than the fact that some interviewer who happens to work at Google just so happened to ask that question recently.
- The questions asked this year at Google do not really differ from those asked three years ago. In fact, the questions asked at Google generally don't differ from those asked at similar companies (Amazon, Face book, etc.).
- Your interviewer develops a feel for your performance by comparing you to other people. It's not about the candidates she's interviewing that week. It's about all the candidates that she's ever asked this question to.

- you could apply again on same company if you got rejected but after a period of time maybe 6-12 months
- yes you could ask your interview about the result after 5-7 days after the interview .