

Adobe Interview:

First interview: This interview was mainly focus on the how much you know about C and C++ and general DS.

1. Small talk on projects.
2. difference btw ***const *p** and **** const p**.
3. what is difference between `a[]="data"` and `*p="data"`; and was trying to confuse with increment operator. where all this data and variable stores in both case?
4. what is difference btw `const` and `volatile` and what is its real time use.
5. 5 or 6 output question based on C and C++. mainly focused on constructor, destructor, comma operator in C, exception handling, virtual function.
6. Given a state machine and i need to tell the regular expression to which that machine was accepting.
7. DS program to find the maximum height of the tree.
8. What is the meaning of virtual function, static virtual fun. Const virtual func.
9. What are difference types of demand paging.(he wanted to know how many page replacement policy are there and asking to explain them)
10. what type of bit can be required in page table other than frame address and why?

Second interview: This interview was mainly focus on project and algo and coding.

1. what was your contribution in the project and what was the challenges (i just explain . He asked no question on that)?
2. Find the first two smallest element in a array (he was trying to see how many compression you would do.)
3. Find the largest subarray whose sum is nearest to ZERO.
4. Puzzle : given a 2x4 matrix fill the number from 1 to 8 so that adjacent number can not be horizontally, vertically and diagonally next to each other .
5. What is reference in C++ and how is it different from pointer?
6. Puzzle : given two hour glass of 7 and 4 minute. You need to measure exact 9 minute by using these two.
7. One C output question.