

Adobe Model Paper Questions

Q1) linked list using recursion.

Q2) Find if a number is divisible by 3, without using %, / or *. You can use atoi().

Q3) 2 integers A and B are given, find the no of bits that need to be flipped in A to get B. (xor a and b and count the number of bits)

Q4) Write a Rotate function for rotating elements in an array, using a reverse function.

Q5) Given 2 sorted arrays A and B with duplicate elements, get C= A -B and does not have duplicates(use a variation of merging 2 arrays and then remove the duplicates.)

Q6) Some routines to swap int pointers.

Q7) Subtraction of 2 base 13 numbers.

Q8) Min and max nodes of a quad tree.

Q9) Prove that in a tree no of internal nodes is one less than leaves.

Q10) A couple of boolean logic proofs

Q11) Code to see if a binary tree is a BST or not.

Q12) Switch case program out put

Engineering test:

Most of it had algorithms(no code)

Q1) Given an array with some repeating numbers. Like 12,6,5,12,6

output: 12,12,6,6,5

12 shud come before 6 since it is earlier in list. So cant use a dictionary.

Q2) Implement a dictionary manually with a lil overhead.

Q3)finding nth element from end in a list

Q4)inserting an element into a sorted linked list.

In the anal part many questions were based on the rule that square root of 25 is $+5/-5$. Not just 5. Similarly for 1.

Geometry the questions were a lil bit tricky, but they are few that u can ignore them.