**1)**[Given a singly linked list, swap every 2 nodes, for odd number of input; retain the last node as it is](https://practice.geeksforgeeks.org/problems/pairwise-swap-elements-of-a-linked-list-by-swapping-data/1).  
Eg: Input: 5 13 15 18 20 11 6 7  
Output: 13 5 18 15 11 20 7 6  
I was asked to write the code straight-away.  
Wrote the same, verified boundary cases and discussed.

**2)**[Given a binary tree, find the number of pairs where sum of 2 nodes’ values equal to k](https://practice.geeksforgeeks.org/problems/find-a-pair-with-given-target-in-bst/1)  
Eg:

1

2 3

4 5 7

Say k=7, output =2 ( 2+5, 3+4)  
Suggested an approach where I’d use inorder traversal of this,  
Then interviewer asked me to solve the simplified problem, find k in sorted array instead of tree.  
Got solution for this one, to have 2 pointers at each end, and traverse accordingly.  
I was asked the approach for extending same to BST.  
Then, I implemented the same for BST using stack.