

1. You can only use BINARY SEARCH TREE for this question.

Write a function to find the kth smallest element in a BST. (For clarification see the sample input output below)

The first line of the input will contain n (number of elements in the BST) and k. The next line contains n integers.

SAMPLE INPUT	SAMPLE OUTPUT
5 3 20 31 22 28 54	28
6 1 8 11 5 1 2 15	1

2. Write a function to check whether a given doubly linked list is palindrome or not.
3. Write a function to perform the following task. Given a linked list, reverse the nodes of a linked list **K** at a time and return its modified list. **K** is a positive integer and is less than or equal to the length of the linked list. If the number of nodes is not a multiple of k then left-out nodes, in the end, should remain as it is.

SAMPLE INPUT	SAMPLE OUTPUT
List: 1,2,3,4,5 K: 2	2,1,4,3,5