

# Kth largest element in BST

Given a Binary search tree. Your task is to complete the function which will return the Kth largest element without doing any modification in Binary Search Tree.

## Example 1:

Input:

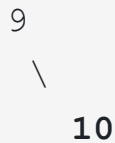


k = 2

Output: 4

## Example 2:

Input:



K = 1

Output: 10

## Your Task:

You don't need to read input or print anything. Your task is to complete the function **kthLargest()** which takes the root of the BST and an integer K as inputs and returns the Kth largest element in the given BST.

**Expected Time Complexity:** O(N).

**Expected Auxiliary Space:** O(H) where H is max recursion stack of height h at a given time.

## Constraints:

1 <= N <= 1000

1 <= K <= N