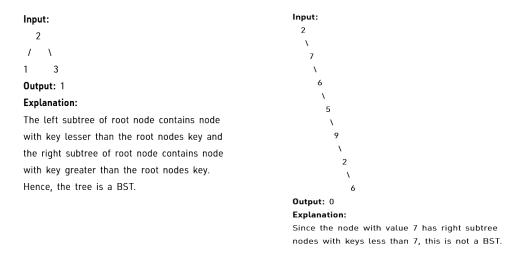
Binary Search Tree

- 1. Given the root of a binary tree, check whether it is a BST or not. A BST is defined as follows:
- The left subtree of a node contains only nodes with keys less than the node's key.
- The right subtree of a node contains only nodes with keys equal or greater than the node's key.
- Both the left and right subtrees must also be binary search trees.

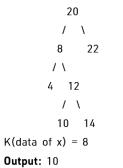


2. Given a sorted array. Write a function that creates a Balanced Binary Search Tree using

array elements. Height balanced BST means a binary tree in which the depth of the left subtree and the right subtree of every node never differ by more than 1.

3. Given a BST, and a reference to a Node x in the BST. Find the Inorder Successor of the given node in the BST.

Input:



Explanation:
Inorder traversal: 4 8 10 12 14 20 22

Hence, successor of 8 is 10.

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

Input:



Output: 4