Finding the k-th Element in a BST

We have a base BST class and aim to implement a method that finds the **k-th element** in the Binary Search Tree (BST) and returns its iterator. Note that each BSTNode includes a TreeSize property, which indicates the number of nodes in the subtree rooted at that node. Additionally, the assignTreeSize method is invoked in every test to assign the correct TreeSize values.

Constraints:

The implementation must ensure the test runs in **less than 1 second**.