Lab 3

Binary Search Trees.

Write code for the following methods of binary search trees.
(1) SEARCH(x, k) (recursion and iterative version); (20%)
(2) SUCCESSOR(x) and PREDECESSOR(x); (30%)
(3) INORDER-TREE-WALK(T), PRERDER-TREE-WALK(T), POSTORDER-TREE-WALK(T);
(50%)
Note. T points the root of a binary search tree, x points any node in a binary search tress, and k
denotes a key.