

LAB ASSIGNMENT 1

Implement ADT Binary Search Tree using a linked list of nodes of structure having MIS, Name, left pointer, right pointer. The BST is organized by the MIS number.

Write following functions:

initBST() // to initialize the tree.

insertNode() // recursive function to add a new node to the tree.

Count() // to count total number of nodes in a tree

removeNode() // to remove a node from a tree.

search() // to recursively search for a node with the given key.

inorder() // write a recursive function for inorder traversal.

preorder() // write a recursive function for preorder traversal.

postorder() // write a recursive function for postorder traversal.

Write a menu driven program to invoke all above functions.