

Programming Assignment 2

Non-recursive Binary Search Trees

Given `BST.h`, `printTree.c`, and `main.c`, complete `BST.c`.

- `BST.h`: the header file which defines the data and the functions of a binary search tree.
- `printTree.c`: implements the `printTree` function defined in `BST.h`.
- `BST.c`: implements the remaining functions defined in `BST.h`:
 - To be completed by you.
 - This is the only file that you are going to modify.
 - You may add auxiliary functions if there is a need.
 - All your functions must use loops, not recursion. The only exceptions are the `printTree` function (which is already provided to you) and the `destroyTree` function (which you must make recursive).
- `main.c`: a `main` function for testing purposes.

Submit `BST.c` on iSpace.

Note:

- Make sure your code is C code that works correctly with a C compiler, not C code that only works with a C++ compiler!
- Make sure your code produces exactly the same output as the recursive code you submitted for the Binary Search Trees lab. Otherwise something is wrong...