

Spencer York

PrintDOT():

//Code for BSTreeNode.cpp

template <typename T>

void BSTreeNode<T>::printDOT(){

if(left != **NULL**){

 std::cout << "\"" << data << "\" -> \"" << left->data << "\"";

 std::cout << std::endl;

 left->printDOT();

 }

if(right != **NULL**){

 std::cout << "\"" << data << "\" -> \"" << right->data << "\"";

 std::cout << std::endl;

 right->printDOT();

 }

};

//Code for BSTree.cpp

template <typename T>

void BSTree<T>::printDOT(){

 std::cout << std::endl;

 std::cout << std::endl;

if(myRoot == **NULL**){

 std::cout << "digraph myGraph {}";

 }

else{

 std::cout << "digraph myGraph {";

 myRoot->printDOT();

 std::cout << "}" << std::endl;

 }

};

OUTPUT:

digraph myGraph {"77" -> "29"

"29" -> "23"

"23" -> "19"

"19" -> "16"

"16" -> "7"

"7" -> "2"

"2" -> "6"

"7" -> "9"

"9" -> "13"

"13" -> "15"

"19" -> "21"

"21" -> "20"

"23" -> "26"

"26" -> "24"

"29" -> "37"

"37" -> "36"

"37" -> "43"

"43" -> "55"

"55" -> "51"

"51" -> "52"

"52" -> "54"

"77" -> "87"

"87" -> "86"

"87" -> "88"

}