

Class CMPS 261
Section 001
Problem Programming Assignment #1
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IV.Verification and Validation Documentation

IV.1Test Plan

1. An empty binary tree.
 1. To test the isEmpty function
 2. To test the three traversal methods
2. A non-empty binary tree
 1. To test the isEmpty function
3. A non-empty binary tree with only one node
 1. To test the three traversal methods
4. A full binary tree of height 2
 1. To test the isEmpty function
 2. To test the three traversal methods
5. A full binary tree of height 3
 1. To test the isEmpty function
 2. To test the three traversal methods

IV.2Test Results

See attached page.

IV.3Operating Instructions

IV.3.1 File Locations

cmps2611/proj1/makefile
cmps2611/proj1/main.cpp
cmps2611/proj1/BinaryTree.cpp
cmps2611/proj1/BinaryTree.h
cmps2611/proj1/Node.h

IV.3.2Directions on using the makefile

1. Go to the Unix terminal
2. Make sure you are in the correct directory: cmps2611/proj1/
3. Type in “make”
4. The CC compiler will create *.o files and an executable file named “main”

IV.3.3 Directions on how to run the generated executable

1. Go to the Unix terminal
2. Make sure you are in the correct directory: `cmcs2611/proj1/`
3. Type in “main”

IV.3.4 Cautions

None