

## CSC340 Assignment8 - Binary Tree in C++

```
/******  
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 * Compiler used to test program (including version) gcc version 4.9.3 (GCC)  
 *****/
```

This file contains a summary of what you will find in each of the files that make up your assignment8 source files.

node.h  
tree.h

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### **Brief Introduction on how to compile and run your program:**

To compile this program:

\$ make

To run this program:

\$ ./drive

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### **An example execution of your program:**

```
$ make
g++ -std=c++11 -c -g -Wall main.cpp
g++ -std=c++11 -c -g -Wall binary_tree_test.cpp
g++ -std=c++11 main.o binary_tree_test.o -g -o driver

Home@Home-PC /cygdrive/d/SFSU/Fall 2015/CSC340/source/Assignment8
$ ./driver
--- Testing node creation with value ---
PASS

--- Testing node children are null by default ---
PASS

--- Testing tree insert and contains ---
PASS

--- Testing node children are null by default ---
PASS

--- Testing node children are null by default ---
PASS

PASS

PASS

PASS

--- Testing tree is full ---
PASS

PASS

--- Testing tree traversal: preorder 60 20 10 40 30 50 70 ---
```

```
PASS
--- Testing tree is full ---
PASS
PASS
--- Testing tree traversal: preorder 60 20 10 40 30 50 70 ---
60
20
10
40
30
50
70
--- Testing tree traversal: inorder 10 20 30 40 50 60 70 ---
10
20
30
40
50
60
70
--- Testing tree traversal: postorder 10 30 50 40 20 70 60 ---
10
30
50
40
20
70
60
Home@Home-PC /cygdrive/d/SFSU/Fall 2015/CSC340/source/Assignment8
```