COSC 201 Lab #5

Tree Sets

Purpose: to practice using the Java API version of TreeSet.

Tasks:

1. Open Eclipse and start a new Java Project called TreeSet Practice.

2. Add a new class called TreePractice. Within TreePractice, create a method called printTree(TreeSet<Integer> t).

3. This method should print a TreeSet as a balanced binary tree.

4. For example, if given the TreeSet t $= \{-1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13\}$, your method should print

```
6
|                               \
2                              10
|              \                |              \
0              4                8              12
|      \       |      \         |      \       |      \
-1     1       3      5         7      9       11     13
```