

COSC 201 – Lab #8

Heaps of Fun

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

Tasks:

- 1.) Open Eclipse and start a new Java Project called Set Project
- 2.) Add a new class called SetPractice. SetPractice will have no extra fields or methods aside from main.
- 3.) In main(), declare and instantiate a HashSet called myHash and declare and instantiate a TreeSet called myTree. Add the following integers to those sets:

1, 10, 32, 12, 5, 4, 12, 33, 19, 10, 22, 4, 60, 89

Then, print out every member of myHash. Finally, print out every member of myTree, except in reverse (keep in mind TreeSets are sorted). You may not use an Iterator or last() for this and you may not just simply get() from the opposite end.

Need a hint? Check the API.

- 4.) Turn in your code via the Digital Dropbox in Blackboard by the start of class Monday.