Programming Assignment 6

Due 28 OCT @ 11:59pm

Write a program that implements a subset of the OrderedSymbolTable interface using a binary tree (interface and skeleton implementation provided). A template is provided that will read in and execute a sequence of operations.

Grading Notes

You must:

- Use the template provided for you
- Have a style (indentation, good variable names, etc.)
- Comment your code well (no need to over do it, just do it well)

You may not:

- Make your program part of a package.
- Use *code* from anywhere except your own brain.

Submission Instructions:

- Name a folder with your gmu username
- Put your java files in the folder (but not your .class)
- Zip the folder (not just the files) and name the zip “username-pa2.zip”
- Submit to blackboard

Grading Rubric

No Credit:

- Non-submitted assignments
- Late assignments
- Non-compiling assignments
- Non-independent work

1pt	Submission Format
1pt	Style and Comments
2pt	min and max
2pts	put
1pt	get
2pts	deleteMin, deleteMax
1pt	keys iterator

Example Run

```
> java BinarySearchTreeST operations.txt
isEmpty?=true
insert=[8->student8]
insert=[4->student4, 8->student8]
insert=[4->student4, 8->student8, 12->studentX]
insert=[4->student4, 6->student6, 8->student8, 12->studentX]
insert=[4->student4, 6->student6, 8->student8, 10->student10, 12->studentX]
min=4
insert=[4->student4, 6->student6, 8->student8, 10->student10, 12->student12]
insert=[2->student2, 4->student4, 6->student6, 8->student8, 10->student10, 12->student12]
max=12
insert=[2->student2, 4->student4, 6->student6, 8->student8, 10->student10, 12->student12, 16->student16]
insert=[1->student1, 2->student2, 4->student4, 6->student6, 8->student8, 10->student10, 12->student12, 16->student16]
deleteMin
deleteMin
deleteMax
isEmpty?=false
size=5
Final symbol table=[4->student4, 6->student6, 8->student8, 10->student10, 12->student12]
```