CPSC 331 — Fall, 2018

Information about Software for Testing

Several Java programs have been provided for students to use to test our their programs before submitting them for assessment, for Assignment #2 of CPSC 331.

Like the `AVLDictionary.java` program that you are being asked to complete, these are all in the package

$$\text{cpsc331.assignment2}$$

- `AVLUtilities.java` contains programs that can be used to confirm that the tree structure, that your program is maintaining, really **is** an AVL tree.

- `AVLTest1.java`, `AVLTest2.java`, `AVLTest3.java` and `AVLTest4.java` run a rather extensive series of tests that have been designed as include of the situations and "cases" (where updates are needed) as possible. They can be consulted to see how you can write code that makes use of the `AVLutilities` program — including its most extensive method, "`isAVL`".

- `AVLTest5.java` is a modification of the testing program for a "`TestBSTDictionary`" included as a supplement to Lecture #10. This includes tests on a few more of the methods supported by the `Dictionary` interface, and focus less on making sure that the underlying data structure really is an "AVL Tree".

These programs will be used when your submissions for Assignment #2 are marked, in order to automate (and speed up) the marking of your Java programs as much as possible.