# 18565 - Sai Krishna

/* Evaluation:

**1. Code compilation:**

1. Does code compile without errors? - Yes.
2. Was a readme.txt file included with instructions on how to compile and run? - yes.

**2. Correctness (positive test cases):**

**The applet never started on my system (tried both Ubuntu and Windows). The classpath was set correctly.**

**It is difficult to evaluate this assignment without seeing it run. It would have been easier as a command line application. My evaluation is based on what I can understand from your implementation.**

1. Can I insert a key? - Seems to be implemented. Only integer keys are supported.
   System.out.println( "ERROR in " + TREENAME + " applet: `Key' value must be an integer" );
2. Can I delete a key? - Not implemented
3. Can I search for a key? - Not implemented. The insert method does a search though.
4. Can I view display of tree? - No.
5. Can I specify size of B+ tree node (# of keys in a node)? - No
6. Do the nodes satisfy the B+ tree property? - Unable to verify
7. Can I create a B+ tree from a file of keys? - No
8. Can I save my B+ tree to a file? - No
9. Can I load back the file saved in step 7? - No
10. Can I insert and delete keys from the command line even after loading keys from file? - No
11. Is Output for keys1.txt correct? -Unable to test since implementation does not accept input files.
12. Is output for keys2.txt correct? - Unable to test since implementation does not accept input files.

**3. Programming Style & General Comments:**

1. Are there useful comments that complement the code? - No
2. Is the indentation style neat and consistent? - yes
3. Are there had coded limits or magic numbers used in the code? - yes.
4. Are there hard coded file paths used in the code?
5. General Comments:
   a. It would have been better to have provided a way to test your implementation from the command line.

**4. Exception Handling:**

1. Delete on empty tree. - Delete not implemented.
2. Delete a non-existent key. - Delete not implemented.
3. Insert a key that exists already (keys3.txt). - Unable to test since implementation does not accept input files.
4. Call display on empty tree - Unable to verify
5. Print an empty tree. - Unable to verify
6. Empty lines in input file (keys4.txt).

Score - 10/20. - Unable to test since implementation does not accept input files.

*/