18551 - Ajay

/* 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):
   1. Can I insert a key? - only from file. Keys are truncated to 10 characters.
   2. Can I delete a key? - yes.
   3. Can I search for a key? - yes.
   4. Can I view display of tree? - yes.
   5. Can I specify size of B+ tree node (# of keys in a node)? - yes.
   6. Do the nodes satisfy the B+ tree property? - Not always.
   7. Can I create a B+ tree from a file of keys? - yes.
   8. Can I save my B+ tree to a file? - yes.
   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? - only delete.
   11. Is Output for keys1.txt correct? - NO.
     a. create ..\..\keys1.txt 3 - leaf nodes should have minimum of 2 keys. Two of the leaf nodes generated have just 1 key.
     b. >>create ..\..\keys1.txt 1 returns without doing anything.
   12. Is output for keys2.txt correct? - No
     a. Same problem as keys1.txt
   13. Does it load quotes.txt? - yes.

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?
     a. Keys are truncated to 10 characters.
   4. Are there hard coded file paths used in the code? - No.
   5. General Comments:
     a. The menu display could have been better. It seems a bit cluttered.
     b. I liked your addition of the help command. Good!

4. Exception Handling:
   1. Delete on empty tree - handled.
   2. Delete a non-existent key - handled.
   3. Insert a key that exists already (keys3.txt) - not handled. Duplicate keys are allowed. This is not
   4. Call display on empty tree - handled.
   5. Print an empty tree - handled.
   6. Empty lines in input file (keys4.txt) - not handled. They are treated as keys!

Score - 15/20.

*/