# COMP 101 – PROBLEM SOLVING WITH COMPUTING
## LAB #9 (11-1)[1] [24 PTS]

**PURPOSE:**

To become more familiar working with files and exceptions.

Note: None of your programs should crash if the specified input file does not exist, instead write an informative message to the user mentioning the specific problem. E.g., "Error, could not open file 'haiku.txt'.".

**TASKS:**

Write the following three programs:

1. Program **reverse_lines.py**: This program prompts the user for a filename and opens the file, reads all lines, and then writes out a new file with the contents of line order reversed. (Note, you are only reversing the line order) [10 pts]

   For instance if the input file contains:
   *The red blossom bends*
   *and drips its dew to the ground.*
   *Like a tear it falls*

   Your output file (**revLines.txt**) should contain:
   *Like a tear it falls*
   *and drips its dew to the ground.*
   *The red blossom bends*

   A couple of items to note:
   a. Your program should work with any number of lines in a file. Be sure you don't skip "blank" lines, they count too.
   b. Name your output file "**revLines.txt**"

2. Chapter 7: Program #2 page 272 (name: **head.py**) [7 pts]
3. Chapter 7: Program #6 page 272 (name: **average.py**) [7 pts]

**DELIVERABLES:**

The above three programs in a zipped folder uploaded to dropbox. Fully functional and documented for full credit.

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[1] The number in () corresponds to the assignment number on the Franklin University web page and should be used when you submit your assignment via dropbox for proper credit.