08.3 - File Stats

Write a Python program that reads the contents of a file and determines the number of words in the file, the number of lines in the file, and average number of words per line. For this program a word is defined as any group of contiguous non-blank characters separated from other characters by whitespace. Test your program using the file `frontiero_v_richardson.txt`. The text in this file is stored as one sentence per line.

A sample run of the program is shown below. Your output should exactly match the sample output, character for character, including all white space and punctuation. User input in the sample has been highlighted in Pappy's Purple to distinguish it from the program's output, but your user input does not need to be colored. Save your program as `file_stats_login.py`, where `login` is your Purdue login. Then submit it along with a screenshot showing a test run of your program.

Terminal

```
$ python file_stats_login.py
Total number of words: 1271
Total number of lines: 120
Average number of words per line: 10.6
```