

File Statistics

Starting from the `file_stats.py` template, write a Python program that reads the contents of a file and tracks the number of words and the number of lines in the file. The program should also calculate the average number of words per line. Test your program using the file `rumpelstiltskin.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.py` and submit it along with a screenshot showing a test run of your program.

Terminal

```
$ python file_stats.py
Total number of words: 1140
Total number of lines: 72
Average number of words per line: 15.8
```