Chapter 9 Word Count

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Instructions:

Create a program to read the words in the given file and add them to a dictionary along with a count of how many times each word appears in the file. When all words in the file have been added, display the unique words in the dictionary (i.e. words with a count of 1).

Data:

Variables:

* Words: Dictionary whose elements have the form “word”: count
* File: data from file
* Line: individual line from file
* Word: the word but has ‘\n’ stripped

User input:

* None

Processing:

1. Open file
2. Loop through file.
3. Strip each line of ‘\n’ and check if that word exists as a key in words dictionary
   1. If the word doesn’t exist as a key, add it with a value of 1, words[key] = 1
   2. If the word does exist, increment its value by 1
4. After file is closed, loop through the key, value pairs in the words dictionary
   1. If the value is 1 (i.e., unique word), print the key (i.e., the word)
   2. Otherwise, don’t print the key

Output:

1. The words from the tale\_of\_two\_cities.txt file that show up only once.

Example:

best

worst

wisdom

foolishness

belief

incredulity

light

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