

Letter, word, sentence

Specification

- Design and implement a program, that counts the number of letters, words, and sentences
- Your program will get input from file
- You may assume that a letter is any uppercase character from A to Z or any lowercase character from a to z, any sequence of characters separated by spaces should count as a word, and that any occurrence of a period, exclamation point, or question mark indicates the end of a sentence.

Getting User Input

Let's first write some python code that just gets some text input from file.

Sample Text:

"When he was nearly thirteen, my brother Jem got his arm badly broken at the elbow. When it healed, and Jem's fears of never being able to play football were assuaged, he was seldom self-conscious about his injury. His left arm was somewhat shorter than his right; when he stood or walked, the back of his hand was at right angles to his body, his thumb parallel to his thigh."

Letters

Letters can be any uppercase or lowercase alphabetic characters, but shouldn't include any punctuation, digits, or other symbols.

Sample Letters:

"Hello321#" has 5 letters.

Words

We'll consider any sequence of characters separated by a space to be a word (so a hyphenated word like "sister-in-law" should be considered one word, not three).

Sample Words:

“One fish. Two fish. Red fish. Blue fish.” has 8 words.

Sentences

You should consider any sequence of characters that ends with a . or a ! or a ? to be a sentence.

Sample Sentences:

“One fish. Two fish! Red fish? Blue fish.” has 4 sentences.

Sample Input

“When he was nearly thirteen, my brother Jem got his arm badly broken at the elbow. When it healed, and Jem's fears of never being able to play football were assuaged, he was seldom self-conscious about his injury. His left arm was somewhat shorter than his right; when he stood or walked, the back of his hand was at right angles to his body, his thumb parallel to his thigh.”

Sample Output

295 letter(s)

70 word(s)

3 sentence(s)