

File at this location, same text as below.

<https://ccd-school.de/en/coding-dojofunction-katas/loc/>

LOC

Function Kata „LOC“

Implement a function that counts the Lines of Code (LOC) in a C# source text.

The source text is given as a string. The function returns the number of executable lines of code. Lines containing only comments or whitespace should be filtered [1].

Please note:

- C# has no nested comments
- Comment characters `/*`, `*/`, `//` don't open/close comments inside of strings
- Strings inside comments are not recognized. That means, the comment `/*a"*/b...` ends in front of `"b`.
- Executable code can be placed in the same line as a comment: in front of `/*` or `//` or after `*/`.

Variation #1

Also return the number of lines that contain only comments or whitespace.

Endnotes

[1] Strings count as executable code. Even if they extend over multiple lines or contain whitespace lines.