

Exercise #04 (WC)

Description

You should write a simple program call `swc`. The program should have count the number of either words, lines or characters in a file. The name `swc` is short for small `wc`, referring to the existing program `wc`.

Syntax

`swc` [OPTIONS] [FILE]

[OPTIONS]

```
-m, --chars
    print the character counts

-l, --lines
    print the newline counts
```

With no `FILE`, or when `FILE` is `-`, read standard input. If reading from a file (or file `-`) the printout shall be made with the file before the sum of lines or characters.

Makefile

We have written a Makefile for you. You can use this as a foundation (please ask during supervision (‘övning’)).

Test

The Makefile (see above) provide some black box tests. Please use them... we will when checking your hand in.

Code structure

Divide the code into smaller modules/units.

Tests