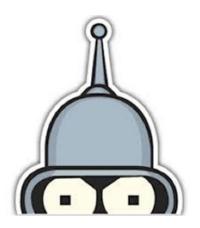


B2 - Stumpers

B-CPE-210

TextCount

Duo Stumper







TextCount

binary name: text_count

repository name: CPE_duostumper_\$STUMPERNUMBER_\$ACADEMICYEAR

repository rights: ramassage-tek

language: C

compilation: via Makefile, including re, clean and fclean rules



• Your repository must contain the totality of your source files, but no useless files (binary, temp files, obj files,...).

• Error messages have to be written on the error output, and the program should then exit with the 84 error code (O if there is no error).



The \$STUMPERNUMBER is always on one digit: 1, 2, ...



For this project, the **only** authorized functions are those of the standard libc.

You are going to have to make a program that will display the number of occurences of each character of the string STR that is passed as parameter.

By default, characters must be displayed in their order of appearance.



Usage: ./text_count [-r] [-t] STR [SEARCHED_CHARACTERS]

-r: if set, group the characters having the same number of occurences (see examples).

-t: if set, characters have to be sorted by number of occurences (highest to lowest).

SEARCHED CHARACTERS: if a second string is passed as parameter, count the occurences of characters in the STR but only for those present in SEARCHED_CHARACTERS





```
Terminal
~/B-CPE-210> ./text_count "abcdef"
a:1
b:1
c:1
d:1
e:1
f:1
~/B-CPE-210> ./text_count "!!!!!!!"
~/B-CPE-210> ./text_count "aaffbcdef" "abdfg"
a:2
f:3
b:1
d:1
g:0
~/B-CPE-210> ./text_count "ffaabcdef" "aaa"
~/B-CPE-210> ./text_count "ffaabcdef" ""
~/B-CPE-210> ./text_count -t ""aaffbcdef" "abdfg"
f:3
a:2
b:1
d:1
~/B-CPE-210> ./text_count -r "ffbaacdef"
f:3
b,c,d,e:1
a:2
~/B-CPE-210> ./text_count -r -t "aaffbcdef"
f:3
a:2
b,c,d,e:1
```