

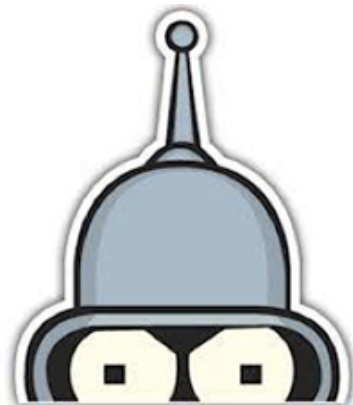


B2 - Stumpers

B-CPE-210

Sort Words

Solo Stumper



3.0



Sort Words

binary name: sort_words

language: C

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



- The totality of your source files, except all useless files (binary, temp files, obj files,...), must be included in your delivery.
- Error messages have to be written on the error output, and the program should then exit with the 84 error code (0 if there is no error).



For this project, the **only** authorized functions are `write`, `malloc`, `free`.

Write a program that takes a string and displays its words in alphabetical order, followed by a `\n`.

Lower and upper cases are identical in alphabetical order.

If two words have the same alphabetical order, they should appear in the same order than in the original string.

If no parameters are passed, the program only displays `\n`.



Word are strings of characters separated either by spaces or tabulations.

In the output, there must be only one space between each word and no spaces at the beginning or the end.

```
Terminal
~/B-CPE-210> ./sort_words "A a b B cc ca cd" | cat -e
A a b B ca cc cd$
~/B-CPE-210> ./sort_words "somewhere i    lost just my sanity" | cat -e
i just lost my sanity somewhere$
~/B-CPE-210> ./sort_words "$ (echo -ne 'you\t\tlost') " | cat -e
lost you$
~/B-CPE-210> ./sort_words && echo "Exit status: $?"

Exit status: 0
```