

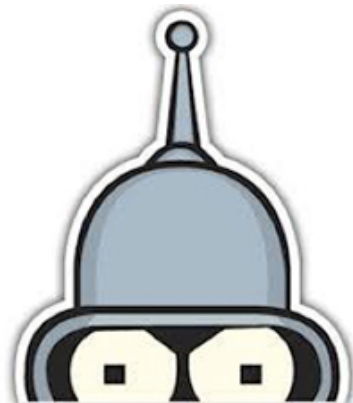


B2 - Stumpers

B-CPE-210

US Name Formatter

Solo Stumper



3.0



US Name Formatter

binary name: USNameFormatter

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 function is `write`.

Write a program that takes a string as parameter representing a name and pretty prints it, according to the following rules:

- a name is composed of a first name followed by a last name,
- the first name is composed of 1 word, and possibly an additional single letter,
- if the first name is 2-letter-long, it must be printed in upper case,
- if the first name contains an additional single letter, it must be printed in upper case followed by ' ' (a dot),
- if the first name is more than 2-letter-long, only its first letter must be printed in upper case,
- the first letters of every word of the last name must be printed in upper case; the others in lower case.



All the strings given will be well formed, with both a correct first name and a correct last name.

```
Terminal
~/B-CPE-210> ./USNameFormatter "pJ HARVEY" | cat -e
PJ Harvey$
~/B-CPE-210> ./USNameFormatter "MiCkAeL j FoX" | cat -e
Mickael J. Fox$
~/B-CPE-210> ./USNameFormatter >/dev/null || echo "Exit status: $?"
Usage: USNameFormatter string
Exit status: 84
```