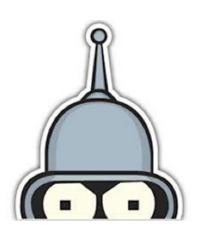# Boggle

Duo Stumper

Boggle

binary name: boggle
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 (0 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`.

Boggle is a game that is made up of a grid of arranged letters among 'abcdefghijklmnopqrstuvwxyz'. The goal is to find words within this grid. In order to validate a word, the letters must be side to side to one another.

A letter cannot be used more than once in a word.

Your program must look for a word, entered on the standart input, within such a grid. If found, the grid must be displayed with the word in capital letters; otherwise, an error message must be displayed.

Usage: `./boggle -g GRID [-s SIZE] [-w WORD]`
-s SIZE defines the size of a side of the grid (def: 4)
-g GRID specifies a hard-coded grid (MANDATORY). If the grid does not contain the correct number of characters, you must display an error.
-w WORD force the word to be looked for.

{ EPITECH. }

```
~/B-CPE-210> ./boggle -g "lqnelooelbtelqte"
++++++++++
| l q n e |
| l o o e |
| l b t e |
| l q t e |
++++++++++
> stem
The word "stem" is not in the grid.
> noob
++++++++++
| l q N e |
| l O O e |
| l B t e |
| l q t e |
++++++++++
~/B-CPE-210> ./boggle -g "lqnelooelbtelqte" -w stem
The word "stem" is not in the grid.
~/B-CPE-210> ./boggle -g "lqnelooelbtelqte" -w noob
++++++++++
| l q N e |
| l O O e |
| l B t e |
| l q t e |
++++++++++
~/B-CPE-210> echo "stem" | ./boggle -g "lqnelooelbtelqte"; echo $?
++++++++++
| l q n e |
| l o o e |
| l b t e |
| l q t e |
++++++++++
> The word "stem" is not in the grid.
> 0
~/B-CPE-210>
```