

All for MAPS!

time limit per test: 2 seconds (2 seconds for Python)

memory limit per test: 1 gigabyte

input: standard input

output: standard output

points: 100 · problem code: allformaps · author: Lucas4732

A member of the MAPS team is lining up for the Olympic 100-metre sprint, and you have somehow been appointed head cheerleader. Your teammate has spent years training for this moment. You spent the warm-up deciding whether to bring a megaphone.

The starting pistol fires! Given your teammate's name, cheer them on by printing `Go`, a space, their name, and an exclamation mark. You cannot run the race for them, but you can make sure the entire stadium knows who you are supporting.

Input

The only line contains a string X ($1 \leq |X| \leq 50$), your teammate's name. X contains only uppercase and lowercase English letters, with no spaces.

Output

Print a single line containing `Go`, followed by X , followed by `!`. There must be exactly one space between `Go` and the name, and no space before the exclamation mark. Preserve the capitalisation of the name exactly as given.

Example 1

Input

```
Parsa
```

Output

```
Go Parsa!
```