Back To School '17: BaramBe

Time limit: 1.0s   **Memory limit:** 256M

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d needs help editing his assignment for English class. He forgot to use periods, and needs your help to fix the errors in his assignment.

If there is a word that starts with a capital letter, then there should be a period in front of the word before it. Also, the text should end with a period.

Input Specification

The input will consist of a series of words. There will be at least 1 word, and at most 50.

The text will only contain alphabetical characters and spaces. Words will be separated by a single space, and are all on a single line.

Output Specification

Output the text after you have edited it by placing all the periods where they are needed to be placed.

Sample Input 1

```
Justin was infuriated with him for making problem four systested Justin could not do anything
about it
```

Sample Output 1

```
Justin was infuriated with him for making problem four systested. Justin could not do anything
about it.
```

Sample Input 2

```
Programming is a lot of fun It should be introduced to children from a young age Computer
Science is our future
```

Sample Output 2

Programming is a lot of fun. It should be introduced to children from a young age. Computer. Science is our future.

Sample Input 3

I want some Boneless Pizza

Sample Output 3

I want some. Boneless. Pizza.