
Char

Input file: **standard input**
Output file: **standard output**
Time limit: 0.25 seconds
Memory limit: 64 megabytes

Given a letter X . If the letter is **lowercase** print the letter after converting it from **lowercase letter to uppercase letter**. Otherwise print the letter after converting it from **uppercase letter to lowercase letter**

Note : **difference between 'a' and 'A' in ASCII is 32** .

Input

Only one line containing a character X which will be a **capital** or **small** letter.

Output

Print the answer to this problem.

Examples

standard input	standard output
a	A
A	a