Uppercase and lowercase letters   P98960_en

Write a program that reads a letter and prints it in lowercase if it was uppercase, or prints it in uppercase if it was lowercase.

Input

Input consists of a letter.

Output

Print a line with the given letter in lowercase if it was uppercase, or in uppercase if it was lowercase.

Sample input 1
```
r
```

Sample output 1
```
R
```

Sample input 2
```
F
```

Sample output 2
```
f
```

Problem information

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