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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