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# Intelligent Case Converter

**Code Id** 6  
**Date Updated** 3/7/2010  
**Title** Intelligent case converter  
**Description**

Write a program that converts upper case to lower case, except at the beginning of where it converts lower case to upper case. Sentences begin (1) at the start of in and (2) following each period, after any number of spaces and newlines.

For example, if the user types  
this Is  
a test. this  
is ONLY a test.  
then your program will print  
This is  
a test. This  
is only a test.

## Codes Snippet

```
#include
#include

int main(void)
{
    int startsentence = 1;
    char c;

    while (scanf("%c",&c) == 1) {
        if (startsentence)
            putchar(toupper(c));
        else
            putchar(tolower(c));
        switch (c) {
            default: startsentence = 0; break;
            case '.': startsentence = 1; break;
            case ' ': case '\n': ;
        }
    }
    return 0;
}
```

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