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## HOMEWORK 01 : KEYWORD SEARCH AND MARKING

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### Description -

Read one sentence (which may contain spaces, up to 100 characters) and one keyword (without spaces, up to 30 characters).

You need to find the **first** occurrence of the keyword in the sentence, **ignoring letter case**, and then :

Print the index (starting from 0) of the first match on the first line.  
( Print -1 if not found )

Then, print the same sentence on the second line,  
but with the first occurrence of the keyword wrapped in square brackets [].

If the keyword is not found, print the original sentence.

#### Input Format :

- Line 1: A sentence ( $\leq$  100 characters). Read with `cin.getline e()`.
- Line 2: A keyword ( $\leq$  30 characters, no spaces). Read with `cin >>`.

#### Output Format :

- Line 1: An integer index (-1 if not found).
- Line 2: The modified sentence (or the original if not found).

#### Hint:

- For a comparison ignoring letter case,  
you can convert all characters to lowercase before comparing them.  
( Use `tolower()` from `<cctype>` )

- Use `strstr()` from `<cstring>`  
to find the first occurrence of the keyword in the sentence.

## Sample Test Cases -

### Sample Input - 1

HeLLo, C-String world!  
hello

### Sample Output - 1

0  
[HeLLo], C-String world!

### Sample Input - 2

, , ,  
bsbs

### Sample Output - 2

-1  
, , ,

### Sample Input - 3

GOOD MORNING!!!  
mOrni

### Sample Output - 3

5  
GOOD [MORNI]NG!!!

