
HOMEWORK 01 : KEYWORD SEARCH AND MARKING

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 (≤ 100 characters). Read with `cin.getline()`.**
- **Line 2: A keyword (≤ 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!!!

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