Problem J4: Anagram Checker

Problem Description
An anagram is a word or a phrase formed by rearranging the letters of another phrase such as “ITEM” and “TIME”. Anagrams may be several words long such as “CS AT WATERLOO” and “COOL AS WET ART”. Note that two phrases may be anagrams of each other even if each phrase has a different number of words (as in the previous example). Write a program to determine if two phrases are anagrams of each other.

Input Specifications
The program should prompt the user for two phrases, each entered on a separate line. You may assume that the input only contains upper case letters and spaces.

Output Specifications
The program will print out one of two statements: ”Is an anagram.” or ”Is not an anagram.”

Sample Prompting and User Input (user input in *italics*)
`Enter first phrase>` *CS AT WATERLOO*
`Enter second phrase>` *COOL AS WET ART*

Output for Sample Input
```
Is an anagram.
```

QOJ adaptation notes

The original official test files are retained. A reliable historical allocation of points was not recovered. QOJ therefore uses reconstructed scoring across four original numbered batches: 1a and 1b; 2a and 2b; 3a and 3b; and 4. Each batch is worth 3.75 points, for a total of 15. Both files in an a/b batch must pass. These weights are a QOJ adaptation, not a claim about the original CCC marking scheme.

Each subtask requires every test file in its batch to pass. The original a/b grouping is preserved.

Read from standard input and write to standard output.

Do not print interactive input prompts such as "Enter phrase>", "Enter first phrase>", or "Enter second phrase>". Print only the answers specified in the output section.

All preceding pages are unmodified original contest pages. A separate copy is available as original-statement.pdf.