Experiment 04 - Exercise 05: Alphabet Frequency (Case-Insensitive)

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Objective

Given a string containing both upper and lower case alphabets, count the number of occurrences of each alphabet (case insensitive) and display the result.

Input

A string.

Output

Frequency of each alphabet, ignoring case.

Approach

- Convert each alphabet to uppercase (or lowercase) for counting.

- Store counts in a dictionary: `freq[letter] += 1`.

- Print results in sorted order (optional).

Time Complexity

`O(n)` where n is the length of the string.