

Write a program to accept a sentence as input. The words in the string are to be separated by a blank. Each word must be in upper case. The sentence is terminated by either ".", "!" or "?". Perform the following tasks:

- (i) Obtain the **length of the sentence**. (measured in words)
- (ii) Arrange the sentence in alphabetical order of the words.

Test your program with the sample data and some random data:

Example 1:

INPUT: NECESSITY IS THE MOTHER OF INVENTION.

OUTPUT:

Length: 6

Rearranged Sentence:

INVENTION IS MOTHER NECESSITY OF THE

Example 2:

INPUT: BE GOOD TO OTHERS.

OUTPUT:

Length: 4

Rearranged Sentence: BE GOOD OTHERS TO