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Exercise 5-49 Planning

Write the algorithm for the problem below. You are not writing actual code, but rather pseudocode to help your planning. Ask yourself the following questions:

* How many variables will you need? 3
* What are the data types of those variables? string
* How many variables are you displaying? 2
* What are the data types of those variables? string
* What math must you perform? subtraction
* Is there anything you need to check before you do this math? no
* Which portion of the code needs to be repeated, if any? Yes it must check each letter for each letter in the alphabet

Assume letters A, E, I, O, and U as the vowels. The program prompts the user to enter a string and displays the number of vowels and consonants in the string.

Prompt user to enter a word

Have the program read the word, and check each letter for A

Have the program read the word, and check each letter for E

Have the program read the word and check each letter for I

Have the program read the word and check each letter for O

Havet the program read the word and check each letter for U

Have the program read the word and check each letter for every other character in the alphabet that is not a vowel

Add up how many times a letter other than a vowel was found

Add up how many times a vowel was found

Display how many vowels and consonants were in the word