

HW7: C-Strings

6 in 7th ed. (4 in 8th ed. or 9th ed.) Vowels and Consonants

Write a function that accepts a pointer to a C-string as its argument. The function should count the number of vowels appearing in the string and return that number.

Write another function that accepts a pointer to a C-string as its argument. This function should count the number of consonants appearing in the string and return that number.

Demonstrate these two functions in a program that performs the following steps:

1. The user is asked to enter a string.
2. The program displays the following menu:
 - A) Count the number of vowels in the string
 - B) Count the number of consonants in the string
 - C) Count both the vowels and consonants in the string
 - D) Enter another string
 - E) Exit the program
3. The program performs the operation selected by the user and repeats until the user selects E to exit the program.