

Assignment #2-1

This is the first question from Assignment #2. There will be another question posted separately with a separate upload.

Write a *filter* program that will take in a file and output a count of the number of characters in the file. Note that a **filter** program is one that **does not** prompt the user for input, but will take in a file and produce a result. With this program, we want to count the number of occurrences of digits, characters, punctuation, and "other" characters that occur in the file. Output should be to the screen in two columns of neatly-formatted data, where each data type is listed along with the count of items. The final row should include a total count of all characters in the file. This program should be run by typing "program < inputFile.txt", and the output should be put to the screen. You can use your own source file for testing. I would suggest looking at including **<ctype.h>** and associated functions for this program.

Once this program is done, submit it as per the assignment submission instructions.