

CC Labs 2008

Homework Assignment #2

Due in two weeks

Homework Problem #1:

Write a program that asks the user for a sentence of text input of at least four words. Make sure the user enters at least four words. Provide feedback if they don't.

Output to the screen the number of characters and number of words in the sentence the user enters, then print the sentence out backwards, and call the user a fool. Exit the program.

Homework Problem #2:

Write a program that opens Shakespeare's sonnet #27, puts all of the words in alphabetical order, and prints out the results to the screen, one word per line. Save the results to a new file. Check for the existence of the file before saving-- if it exists, append appropriate text to the filename.

Homework Problem #3:

Write a program that opens Shakespeare's sonnet #27 and does the following:

Upon each occurrence of the word "my", add in parentheses the number of the occurrence. After the last line of the sonnet, add a line stating: "There were x occurrences of the word "my" in this sonnet, far too many!" (*Where x is a number*)

Save the resulting text under a new file name, checking as in problem #2 for the existence of the file and renaming as appropriate.

Homework Problem #4:

Write a program that asks the user to write a number (in text), one through nine. Depending on what the user enters, respond with additional instructions (unique for each number). The additional instructions should request that the user type in a specific three-word phrase (different for each number).

Check all user entries for correctness, and provide feedback upon user errors. Exit the program after the user succeeds.