

Homework Program Set Ch 10

Complete these programs on the system and turn them in using the turn in command. These are homework programs and should be completed outside of class. Post any questions on the discussion forum. Although you may use code from the book to get ideas for your program, your program should be your own original program and not copied from a book or website. YOUR PROGRAM SHOULD BE WELL STRUCTURED AND INDENTED PROPERLY AND CONTAIN A REASONABLE NUMBER OF COMMENTS.

Filename: hw10-1.cpp

Write a program that will read in a list of words, your program should print out the number of letters in each word. If the word starts with the letters a thru l, print "First Half" if it starts with the letters m thru z then print "second half". If the word is southern, then print "jaguars". Your program should work for any number of lines of data.

Filename: hw10-2.cpp

Write a program that will read in a list of words, 1 word per line (the words will not contain any spaces). Your program should print out the initial word, the the word with alternating upper and lower case letters. For example, argument should be printed as ArGuMeNt, then print a count of how many upper case letters are in the word. For this example, it would be 4. Your program should work for any number of lines of data.

Filename: hw10-3.cpp

Write a program that will read in a First Name, Middle Name, and Last Name on a line (none will contain spaces). The names may be upper case or lower case or mixed. Print out the name in the following format, Lastname, FirstName Middle Initial. For example, Micheal John Smith would be Smith, Micheal J. The first letter in each name should be capitalized and the remaining letters in lower case Then print the first, middle, last initials . For example, M. J. S. and then print the total number of characters in the first, middle and last names. For the current example, it would be 16 (only count letters a-z, A-Z, do not count spaces). Your program should work for any number of lines of data.