

# ECE 161 Foundations of Computer Engineering II

## Lab Programming Assignment

This is a variation of the previous lab assignment. Instead of having the pertinent data assigned by the program, that data is now stored in an external text file.

The external text file is named **data2.txt** and each line in this file contains a word (name of a consumer good) followed by a quantity and a price. Both of these entries are of type `float`.

Your program should read each line of data from the external file and calculate the amount of each consumer good as the product of the price and quantity. For each pair of data in the input file, it should print **name**, **quantity**, **price** and **amount** to an external file named **out2.txt**.

As it processes each line of data from the input file, your program should keep track of the running total for amount and, when all data has been processed, display the total amount from within `main()`.

Your program should work for a variable (and unknown) number of lines in the input file.