

CS 37 C++ Programming

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Programming Assignment #4

Date Due:
05/14/20

Deliverables:

- A copy of the program uploaded to Canvas under the Assignment 4 section.

Requirements:

- Use the template provided on Canvas (Assignment_4_Template.txt).

Grading:

- 25 points possible
 - 3 pts - Comments
 - 4 pts - Consistency/Readability (Spacing / Indentation / Style)
 - 10 pts - Program works and generates results in the expected format (Effectiveness)
 - 8 pts - Use appropriate tools/structures, include required elements (Efficiency)
- While you may collaborate, you are expected to turn in your own work

Description:

Luigi and Gina LaMota were thrilled with your programming skills and would like additional help. They need to find what the gross profit and net profit for every part they sell. Formulas for gross profit and net profit are the following:

gross profit = qty sold * price

net profit = gross profit - (cost of the item - manufacturers bulk discount)

They would like a sorted list of all the parts by descending net profit written out to a file.

The output format and correct results will be posted on Canvas.

You will use the Parts_ListPoly.txt file provided on Canvas as the data for this assignment.

Challenge option:

Sort the parts by category and within each category by descending net profit. You only need to output one file if you choose to do it this way.