

CPE 100 Practical Programming Test

Date#2 on November 16, 2016

TIME

Write a program that take several lines of product ID, quantity, and unit price to calculate total cost per unit ID and show it on the same line of each input. The program will read a file called "product.txt" that contains product ID and product name. Show the product name on the same line of each input also. The program will also show the grand total of all cost after all the output. The program will also ask a filename to save all the output into a given filename. If a blank line is given, the program will not save anything. The program will be divided into four sub tasks. At least the first task has to be done to get scores for the other extra tasks.

1. Take input from use until there is no further input indicated by a blank line. Each line of input consists of product ID, quantity, and unit price. The program will print all the input back as the following example.

Input: 101 50 1.50

Input: 105 10 10

Input: 102 20 11.5

Input:

Produc	ID	Name	Quantity	Unit Price	Cost
101			50	1.50	75.00
105			10	10.00	100.00
102			20	11.50	230.00

2. Fill in the name from "product.txt " which contains the product ID and corresponding product name on each line.

In file product.txt

=====

101, Pencil

102, Ruler

105, Eraser

3. Calculate grand total and show after all the output lines are printed.
4. Input a filename for the data to be saved.

After running the program, it should look like this.

=====

Input: 101 50 1.50

Input: 105 10 10

Input: 102 20 11.5

Input:

Productr ID	Name	Quantity	Unit Price	Cost
101	Pencil	50	1.50	75.00
105	Eraser	10	10.00	100.00
102	Ruler	20	11.50	230.00
				Total 405.00

Output filename: cost.txt

Output saved.

In cost.txt should contains

=====

Productr ID	Name	Quantity	Unit Price	Cost
101	Pencil	50	1.50	75.00
105	Eraser	10	10.00	100.00
102	Ruler	20	11.50	230.00
				Total 405.00