

CMPT120 - Program 3 (**Prog3YourLastName.py**)

Due: Tuesday, Sept. 24, before 1:30 pm. (Submitted via iLearn and printed)

On my desk (in the classroom) beginning of class

The main purpose of this program is to refine our knowledge about the proper use of control structures. You are to write the following music download program.

You should prompt the user to enter the buyer's last name, first name, the cost per downloaded song, and the number of songs downloaded **in that order**, each on a line by itself (with its own prompt). [We will assume each song downloaded has the same price.]

You should start by calculating the base charge for the songs (multiply number of songs downloaded by the cost per song.)

You should then compute the buyer's service charge using the following table (use an **if-elif-else**):

Number of songs downloaded	Service Charge Calculation
Not more than 3	13% of the base charge
More than 3 but less than 6	10% of the base charge
6 songs or more	7% of the base charge

You should then calculate the net payment (add service charge to base charge).

Then calculate the tax amount:

Net Payment	Tax Calculation
Not more than \$5.00	Tax rate is 0%
More than \$5.00, but not more than \$7.50	Tax rate is 4.5%
More than \$7.50, but not more than \$9.99	Tax rate is 7.25%
More than \$9.99	Tax rate is 9%

Next, you need to calculate the total charge (add the tax to the net).

Finally, you need to output the following 6 pieces of data (appropriately formatted and labeled): buyer's **full** name, number of songs purchased, price per song, service charge, taxes owed, and total charge. Each piece should appear on its own line.

Call the program **Prog3YourLastName.py**

In addition, you should try to come up with test data to fully test your program.