

Assignment 7 – Compute purchase price - 10 points

Purpose

Your work for a store that sells sheet music. The store has music teachers as well as others as customers. Your boss asks you to write a program that will give music teachers a discount if the buyer is a music teacher. If the purchase price is under \$100 total, the music teacher gets a 10% discount. If the total purchase price is \$100 or over, the music teacher gets a 12% discount. All other buyers do not get a discount at all. The discount calculation is taken (subtracted) before the 5% tax is added to the total. Your program will ask the user for the total amount of purchases (before tax, before discount). It will also ask the user if they are a music teacher. The program will then compute the total cost and print the appropriate information to the user. Below is three sample outputs.

Sample Input/Output:

```
Enter the cost of your items: 122
Are you a music teacher (y or n)? y
```

```
Total purchases:                122.00
Teacher's Discount (12%):        14.64
Discounted Total:                107.36
Sales Tax (5%):                  5.37
Total                            112.73
```

```
Enter the cost of your items: 84
Are you a music teacher (y or n)? y
```

```
Total purchases:                84.00
Teacher's Discount (10%):        8.40
Discounted Total:                75.60
Sales Tax (5%)                   3.78
Total                            79.38
```

```
Enter the cost of your items: 24.90
Are you a music teacher (y or n)? n
```

```
Total purchases:                24.90
Sales Tax (5%):                  1.25
Total                            26.15
```

Required Python Comment

Place a Python comment at the top of your submission that is formatted as follows.

```
# -----+
# Your name                                <-- e.g. Ashley Bertrand
# CSCI 107, Assignment 7
# Last Updated: Month Day, Year           <-- e.g. September 13, 2018
# -----+
# A brief description of the assignment.   + <-- can be more than 1 line
```

Other Requirements

You must right justify your output as shown above (within 50 characters).

You must use at least one function besides main.

Your output format must match what is shown above.

Submittal details

- Due Date: Monday, November 4th no later than 11:59 p.m.
- Partner Information: Everyone must complete this assignment individually.
- Submission Instructions: Upload your solution, entitled **YourFirstName-YourLastName-Assignment7.py** to the BrightSpace Assignment 7 Dropbox.
- Deadline Reminder: You will not be able to submit after the due date/time.

Grading Rubric

- 1 point – Comment at top of source file
- 3 point - Use of functions
- 3 points – Data entered correctly
- 3 points – The payment is computed and output correctly