

**TCSS141A - SPRING 2021 - HW #1 (FOR WEEK 1&2); max 15 points**

**DUE: Sun 04/11 @ 11:30pm, the assignment has to be submitted to the CANVAS**

**The name of the file: (your) lastname\_1.py**

**Please start the program with: # your name**

**In the program you can use only methods and tools already introduced in the class!**

**Problem: On-line shopping with a discount**

Write a program that calculates charges for on-line shopping.

A company "CHOCOLATES on-line" is selling chocolates. A price for each chocolate bar is \$1.99.

Write a program that prompts the user to enter a number of chocolates to buy, and then displays the total price to pay.

The customer needs to pay the amount of purchase and also a shipping fee and a state tax.

- The basic shipment for one chocolate is \$1.75, for each additional chocolate the store charges \$0.10.
- The state tax is 10.1% and is applied on the amount of purchase and also shipping.

However, the store offers following discounts depending on the amount of purchase made by the customer.

- If the amount of purchase is \$50 or more, the customer gets a free shipping.
- If the amount of purchase is \$75 or more, the customer gets free shipping and 10% discount from the amount of purchase. (Then the state tax is applied on the amount of purchase decreased by a discount.)

The program should display for each purchase following values in \$ rounded to two decimal places:

- The price of whole purchase;
- The applied discount;
- The shipping fee;
- The state tax;
- The total price to pay.

See an example of possible program outputs for different inputs:

```
RESTART: C:\Users\horaki\Desktop\TCSS141_SPRII
_21Q2_HW_210411_online_discount.py
Enter the number of chocolates to buy: 25
Purchase:      $      49.75
Discount:      $      0.00
Shipping:      $      4.15
Tax:           $      5.44
-----
TOTAL:         $      59.34
>>>
RESTART: C:\Users\horaki\Desktop\TCSS141_SPRII
_21Q2_HW_210411_online_discount.py
Enter the number of chocolates to buy: 100
Purchase:      $     199.00
Discount:      $     -19.90
Shipping:      $      0.00
Tax:           $     18.09
-----
TOTAL:         $     197.19
>>>
RESTART: C:\Users\horaki\Desktop\TCSS141_SPRII
_21Q2_HW_210411_online_discount.py
Enter the number of chocolates to buy: 30
Purchase:      $      59.70
Discount:      $      0.00
Shipping:      $      0.00
Tax:           $      6.03
-----
TOTAL:         $      65.73
>>>
```