Objective:

- Well documented application
- Read different data types
- Process data
- Displays formatted information

Introduction:

This application is used by a car dealership to determine inventory value in stock. This dealership has two different make of vehicles in inventory.
They (car dealership) keep the most popular colour that their customers choose.
So each vehicle make has its own popular colour.

This application shows total number of vehicles in the inventory, total price of vehicles in the inventory, amount of tax paid on the inventory and the total worth of inventory in stock.

Application asks user to enter vehicle make - user enters vehicle make (String type)
Application asks user to enter vehicle color - user enters vehicle color (String type)
Application asks user to enter number of vehicles - user enters vehicle number (integer type)
Application asks user to enter price per vehicle - user enters price per vehicle (float type)

Application then asks the same questions for the second vehicle

Application asks user to enter second vehicle make - user enters vehicle make (String type)
Application asks user to enter second vehicle make color - user enters vehicle color (String type)
Application asks user to enter number of vehicles (second make) - user enters vehicle number (integer type)
Application asks user to enter price per vehicle (of second make) - user enters price per vehicle (float type)

After data is entered, application then displays the following output:

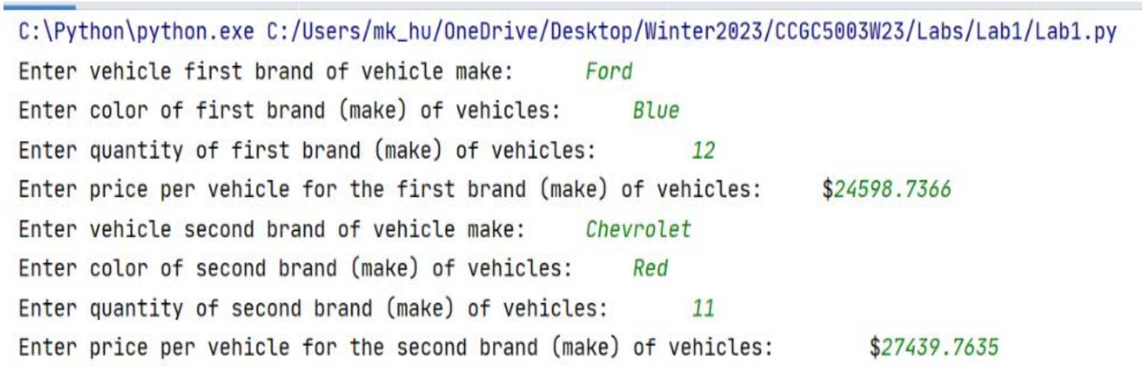
Dealership name: <your name>
Dealership code: <your student number>

Vehicle make	Vehicle color	Number of vehicles	Price per vehicle
<vehicle make 1 name >	<vehicle make 1 color>	<number of vehicles make 1>	<price per vehicle of make 1>
<vehicle make 2 name >	<vehicle make 2 color>	<number of vehicle make 2>	<price per vehicle of make 2>

Total vehicles in dealership: <number>
Total inventory amount: <$amount>
Total tax amount that is paid: <$amount>
Total inventory amount and taxes: <$amount>

Application

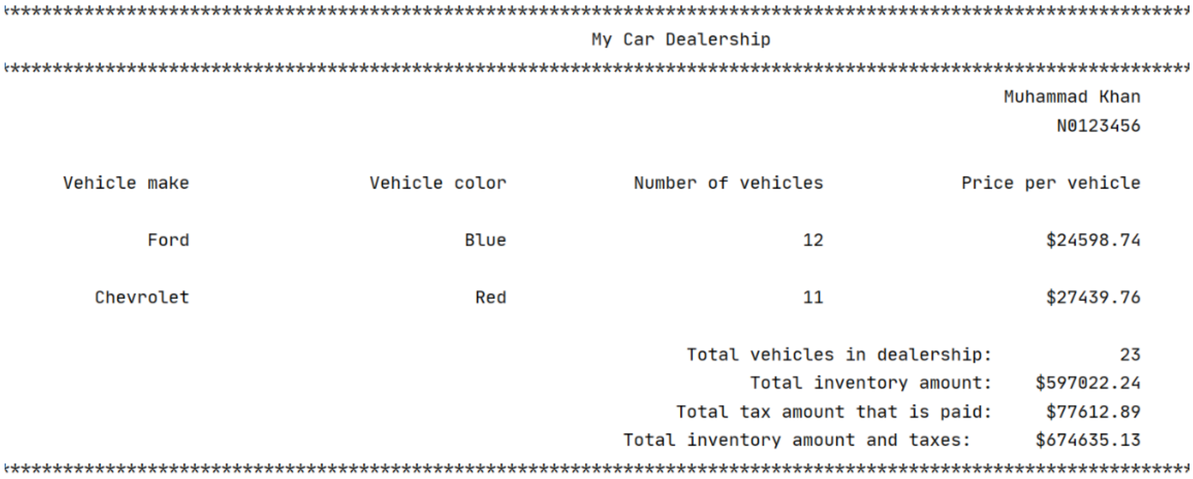
When application executes, following is the format of questions:



```
C:\Python\python.exe C:/Users/mk_hu/OneDrive/Desktop/Winter2023/CCGC5003W23/Labs/Lab1/Lab1.py
Enter vehicle first brand of vehicle make:      Ford
Enter color of first brand (make) of vehicles:      Blue
Enter quantity of first brand (make) of vehicles:       12
Enter price per vehicle for the first brand (make) of vehicles:     $24598.7366
Enter vehicle second brand of vehicle make:     Chevrolet
Enter color of second brand (make) of vehicles:     Red
Enter quantity of second brand (make) of vehicles:      11
Enter price per vehicle for the second brand (make) of vehicles:       $27439.7635
```

You can see that whenever application asks for price, a '$' symbol is printed. User may enter any float (real number) price for the vehicle.

Once data is entered, output is displayed in the formatted format as follows:



```
*****************************************************************************************************************
                                                        My Car Dealership
*****************************************************************************************************************
                                                                                               Muhammad Khan
                                                                                                    N0123456

      Vehicle make                 Vehicle color            Number of vehicles             Price per vehicle

              Ford                          Blue                            12                     $24598.74

         Chevrolet                           Red                            11                     $27439.76

                                                                 Total vehicles in dealership:            23
                                                                       Total inventory amount:    $597022.24
                                                                Total tax amount that is paid:     $77612.89
                                                           Total inventory amount and taxes:      $674635.13
*****************************************************************************************************************
```

Also note that the amount is displayed in 2-digits after the decimal point, along with the dollar symbol with all the price/amounts given in the output report.

Lab report:

Two documents are uploaded in the link provided:

a) Working source code (filename is your full name .py)
b) PDF document showing the output of your application (as shown in lab assignment)

Rubric for Lab1:

Well documented source working source code:	**2 Marks**
Reading data in well-defined (names) for various data types	**2 Marks**
Proper use of type-casting to save data	**2 Marks**
Use of $ symbol and 2-digits after the decimal point	**2 Marks**
Well formatted output display on multiple rows	**2 Marks**
Total:	**10 Marks**