Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 23:09:28) [MSC v.1916 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>> class Automobile: #Create a new class called Automobile

def \_\_init\_\_(self): #Constructor Function, allows the class to initialize the attributes of a class.

self.\_VIN = " "

self.\_year = 0

self.\_make = " "

self.\_model = " "

self.\_style = " "

self.\_color = " "

self.\_condition = " "

self.\_mileage = 0

self.\_price = 0

def add\_vehicle(self): #Add a Vehicle Function

self.\_VIN = str(input("Enter Vehicle VIN: "))

self.\_year = int(input("Enter Vehicle Year: "))

self.\_make = str(input("Enter Vehicle Make: "))

self.\_model = str(input("Enter Vehicle Model: "))

self.\_style = str(input("Enter Vehicle Style: "))

self.\_color = str(input("Enter Vehicle Color: "))

self.\_condition = str(input("Enter Vehicle Condition: "))

self.\_mileage = int(input("Enter Vehicle Mileage: "))

self.\_price = int(input("Enter Vehicle Price: "))

def \_\_str\_\_(self): #Return a list containing strings and integers

return('%s %d %s %s %s %s %s %d %d' %

(self.\_VIN, self.\_year, self.\_make, self.\_model, self.\_style, self.\_color, self.\_condition, self.\_mileage, self.\_price))

>>> vehicle\_list = [] #Declare a new list called vehicle\_list

>>> def edit(vehicle\_list): #Edit Vehicle Function

pos = int(input('Enter the position of the vehicle to edit: '))

new\_vehicle = car.add\_vehicle()

new\_vehicle = car.\_\_str\_\_()

vehicle\_list[pos-1] = new\_vehicle

print('Vehicle was updated')

>>> def main(): #Define the main function to bring up selection tree

print ("""

1.Add a Vehicle

2.Delete a Vehicle

3.View Inventory

4.Update Inventory

5.Export Inventory

6.Quit

""")

ans=input("What would you like to do? ")

if ans=="1": #Add Vehicle Function

car = Automobile()

car.add\_vehicle()

vehicle\_list.append(car.\_\_str\_\_())

print('Successfully added vehicle')

main()

elif ans=="2": #Remove Vehicle Function

for i in vehicle\_list:

vehicle\_list.pop(int(input('Enter position of vehicle to remove: ')))

print('Successfully removed vehicle')

main()

elif ans=="3": #Print Current Database

print(vehicle\_list, sep='\n' )

main()

elif ans=="4":#Edit Vehicle Database Function

edit(vehicle\_list)

print("Vehicle database has been updated")

main()

elif ans=='5': #Export to .txt function

f = open('vehicle\_inv.txt', 'w')

f.write(str(vehicle\_list))

f.close()

print("Vehicle database has been exported Python37 folder")

main()

elif ans=="6": #Exit Program Function

print("Thank You For Using John's Inventory Tool!")

else: #Else Exit for Improper Inputs

print("Please Try Again")

>>> main() #Call the Main Function

1.Add a Vehicle

2.Delete a Vehicle

3.View Inventory

4.Update Inventory

5.Export Inventory

6.Quit

What would you like to do? 1HJ3KC4H5B263K5 #Branching will run thru to the else exit

Please Try Again

>>> main()

1.Add a Vehicle

2.Delete a Vehicle

3.View Inventory

4.Update Inventory

5.Export Inventory

6.Quit

What would you like to do? 1 #Add Veh0

Enter Vehicle VIN: 1HJ3KC4H5B263K5

Enter Vehicle Year: 2019

Enter Vehicle Make: HONDA

Enter Vehicle Model: ACCORD

Enter Vehicle Style: SEDAN

Enter Vehicle Color: RED

Enter Vehicle Condition: NEW

Enter Vehicle Mileage: 120

Enter Vehicle Price: 39000

Successfully added vehicle

1.Add a Vehicle

2.Delete a Vehicle

3.View Inventory

4.Update Inventory

5.Export Inventory

6.Quit

What would you like to do? 1 #Add Veh1

Enter Vehicle VIN: 1HJ87HINV589IJH

Enter Vehicle Year: 2014

Enter Vehicle Make: SUBARU

Enter Vehicle Model: IMPREZA

Enter Vehicle Style: COUPE

Enter Vehicle Color: BLACK

Enter Vehicle Condition: EXCELLENT

Enter Vehicle Mileage: 17000

Enter Vehicle Price: 28500

Successfully added vehicle

1.Add a Vehicle

2.Delete a Vehicle

3.View Inventory

4.Update Inventory

5.Export Inventory

6.Quit

What would you like to do? 1 #Add Veh2

Enter Vehicle VIN: 1GDU45R7465KF8R

Enter Vehicle Year: 2009

Enter Vehicle Make: FORD

Enter Vehicle Model: ESCORT

Enter Vehicle Style: HATCHBACK

Enter Vehicle Color: GREEN

Enter Vehicle Condition: GOOD

Enter Vehicle Mileage: 62000

Enter Vehicle Price: 12500

Successfully added vehicle

1.Add a Vehicle

2.Delete a Vehicle

3.View Inventory

4.Update Inventory

5.Export Inventory

6.Quit

What would you like to do? 1 #Add Veh3

Enter Vehicle VIN: 1G694PDVF66GF7F

Enter Vehicle Year: 2000

Enter Vehicle Make: TOYOTA

Enter Vehicle Model: TACOMA

Enter Vehicle Style: LIGHT PICKUP

Enter Vehicle Color: RED

Enter Vehicle Condition: POOR

Enter Vehicle Mileage: 185000

Enter Vehicle Price: 6400

Successfully added vehicle

1.Add a Vehicle

2.Delete a Vehicle

3.View Inventory

4.Update Inventory

5.Export Inventory

6.Quit

What would you like to do? #Add Veh4

Enter Vehicle VIN: 1G4JF87RTY3TBDUH

Enter Vehicle Year: 2007

Enter Vehicle Make: SATURN

Enter Vehicle Model: SC2

Enter Vehicle Style: COUPE

Enter Vehicle Color: RED

Enter Vehicle Condition: SALVAGE

Enter Vehicle Mileage: 123000

Enter Vehicle Price: 3000

Successfully added vehicle

1.Add a Vehicle

2.Delete a Vehicle

3.View Inventory

4.Update Inventory

5.Export Inventory

6.Quit

What would you like to do? 3 #Print Vehicle Database

['1HJ3KC4H5B263K5 2019 HONDA ACCORD SEDAN RED NEW 120 39000',

'1HJ87HINV589IJH 2014 SUBARU IMPREZA COUPE BLACK EXCELLENT 17000 28500',

'1GDU45R7465KF8R 2009 FORD ESCORT HATCHBACK GREEN GOOD 62000 12500',

'1G694PDVF66GF7F 2000 TOYOTA TACOMA LIGHT PICKUP RED POOR 185000 6400',

'1G4JF87RTY3TBDUH 2007 SATURN SC2 COUPE RED SALVAGE 123000 3000']

1.Add a Vehicle

2.Delete a Vehicle

3.View Inventory

4.Update Inventory

5.Export Inventory

6.Quit

What would you like to do? 2 #Remove Veh4

Enter position of vehicle to remove: 4

Successfully removed vehicle

1.Add a Vehicle

2.Delete a Vehicle

3.View Inventory

4.Update Inventory

5.Export Inventory

6.Quit

What would you like to do? 3 #Print Updated Database

['1HJ3KC4H5B263K5 2019 HONDA ACCORD SEDAN RED NEW 120 39000',

'1HJ87HINV589IJH 2014 SUBARU IMPREZA COUPE BLACK EXCELLENT 17000 28500',

'1GDU45R7465KF8R 2009 FORD ESCORT HATCHBACK GREEN GOOD 62000 12500',

'1G694PDVF66GF7F 2000 TOYOTA TACOMA LIGHT PICKUP RED POOR 185000 6400']

1.Add a Vehicle

2.Delete a Vehicle

3.View Inventory

4.Update Inventory

5.Export Inventory

6.Quit

What would you like to do? 5 #Export Database to Python37

Vehicle database has been exported Python37 folder

1.Add a Vehicle

2.Delete a Vehicle

3.View Inventory

4.Update Inventory

5.Export Inventory

6.Quit

What would you like to do? 6 #Quit

Thank You For Using John's Inventory Tool!

>>>