

Faculty of Engineering & Technology Electrical & Computer Engineering Department

LINUX LABORATORY ENCS313

Python Project

Prepared by:

Asaad Halayqa 1172102

Yousef Ghanem 1172333

Instructor: Dr. Mohammad Jubran

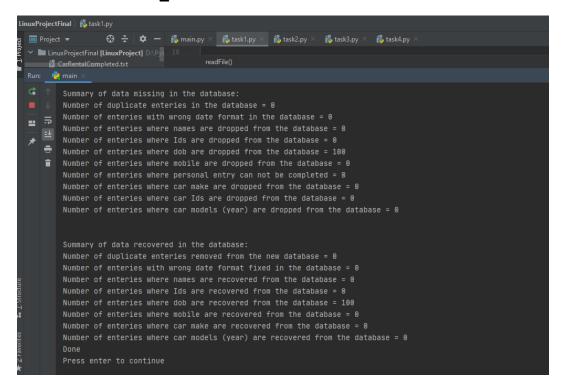
Assistant: Eng. Aseel Awwad

Section: 1

Task #1:

This output is a summary for the whole task, as we printed the missing and recovered data for several files.

File "CarRentalOld_5.txt":



File "CarRentalOld_9.txt":

```
LinuxProjectFinal > ち task1.py
                  🕀 🛨 🕏 — 👸 main.py × 🚜 task1.py × 🐉 task2.py × 🚜 task3.py × 🐉 task4.py
 CarRentalCompleted.txt
 ■ ↓ Number of duplicate enteries in the database = 30
 Number of enteries with wrong date format in the database = 0
    Number of enteries where names are dropped from the database = 0

Number of enteries where Ids are dropped from the database = 0
     ■ Number of enteries where dob are dropped from the database = 0
     ■ Number of enteries where mobile are dropped from the database = 0
         Number of enteries where personal entry can not be completed = 0
         Number of enteries where car make are dropped from the database = 100
         Number of enteries where car Ids are dropped from the database = 0
         Number of enteries where car models (year) are dropped from the database = 0
         Summary of data recovered in the database:
         Number of duplicate enteries removed from the new database = 30
         Number of enteries where names are recovered from the database = 0
         Number of enteries where Ids are recovered from the database = 0
         Number of enteries where car make are recovered from the database = 100
         Number of enteries where car models (year) are recovered from the database = 0
         Press enter to continue
```

File "CarRentalOld_13.txt":

```
LinuxProjectFinal > 🐔 task1.py
 Run: 🥞 main >
  ■ ↓ Number of duplicate enteries in the database = 30
  Number of enteries with wrong date format in the database = 29
     Number of enteries where names are dropped from the database = 29

Number of enteries where Ids are dropped from the database = 30
        Number of enteries where mobile are dropped from the database = 30
         Number of enteries where personal entry can not be completed = 30
         Number of enteries where car Ids are dropped from the database = 31
         Number of enteries where car models (year) are dropped from the database = 30
         Summary of data recovered in the database:
         Number of duplicate enteries removed from the new database = 30
         Number of enteries where dob are recovered from the database = 30
         Number of enteries where mobile are recovered from the database = 30
         Number of enteries where car make are recovered from the database = 30
         Number of enteries where car models (year) are recovered from the database = 30
         Done
         Press enter to continue
```

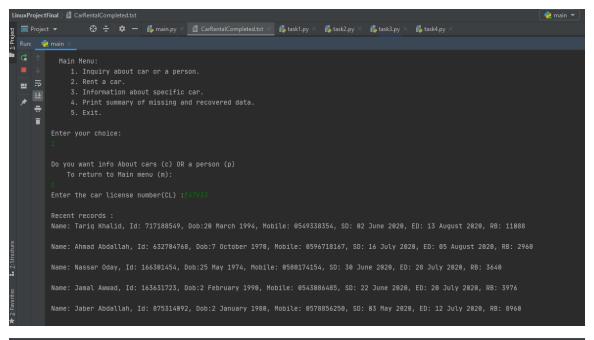
Task #2:

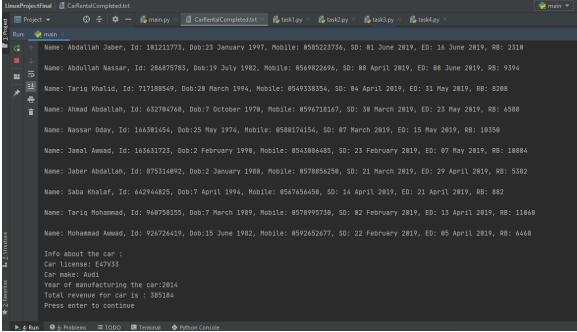
```
| Brogget | Stack | py | Project | Stack | py | Stack | p
```

In previous picture we inquired about a person using his Id.

In previous picture we inquired about a person using his name.

Inquired about car:

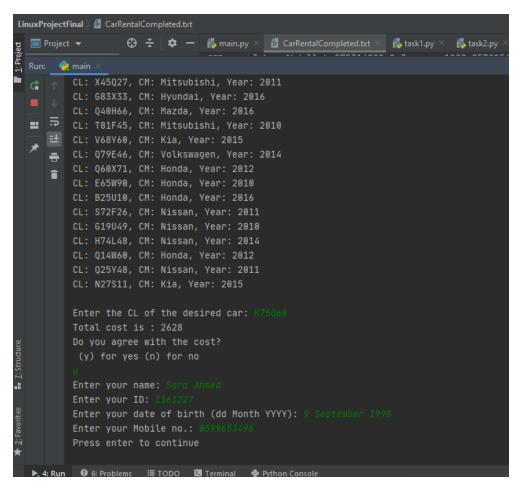




In the last two pictures, we inquired about a car using its CL, and the screenshots are for the part of the data because it's too big.

Task #3:

We entered two dates and check the available cars in this period and print them.



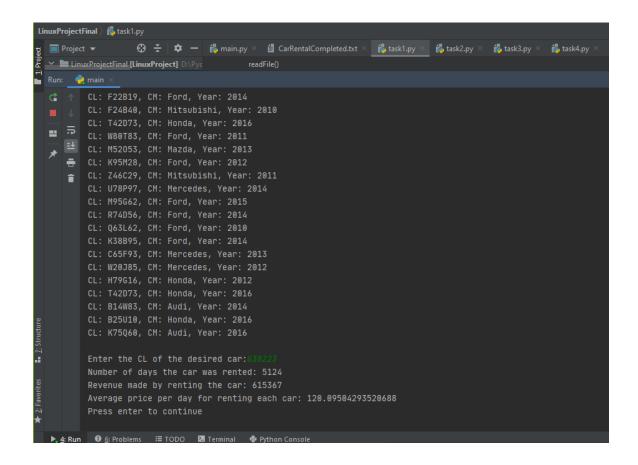
We chose a car by its CL and calculated its cost for the selected period, then we ask user to enter his information.

```
Saba Khalaf:642944825:7 April 1994:0567656450:R40U62:Nissan:2012:26 March 2019:03 April 2019:720
Abdullah Khalaf;945711529;1 September 2002;0532385392;Y75H78;Mazda;2011;23 January 2019;03 April 2019;6720
Saba Dday:701592754:8 March 1985:0572634431:F24B40:Mitsubishi:2010:19 March 2019:03 April 2019:1462
Zeyad Khalaf;893876022;22 May 1985;0582780645;T42D73;Honda;2016;01 March 2019;03 April 2019;3861
Salam Zeyad;440861628;7 September 2001;0524450220;W80T83;Ford;2011;20 March 2019;03 April 2019;868
Razan Tariq;754634957;3 July 1970;0527862069;M52053;Mazda;2013;25 March 2019;03 April 2019;1066
Jaber Abdallah;875314092;2 January 1980;0578856250;K95M28;Ford;2012;23 January 2019;02 April 2019;5382
Ahmad Alzeer;510098414;6 August 1970;0553657488;U78P97;Mercedes;2014;06 March 2019;02 April 2019;4266
Oday Jaber: 820272949; 25 July 1997; 0598752313; M95G62; Ford; 2015; 26 February 2019; 02 April 2019; 2555
Amer Salem; 934864617; 25 December 1974; 0546577184; R74D56; Ford; 2014; 01 March 2019; 02 April 2019; 2086
Abedlrahman Nassar; 271963136; 26 July 1995; 0531867804; Q63L62; Ford; 2010; 30 March 2019; 02 April 2019; 189
Mariam Ahmad;530718592;16 December 2001;0581947690;C65F93;Mercedes;2013;23 January 2019;02 April 2019;9660
Yousef Ghanem; 1172333;6 June 2000; 0523169130; T42D73; Honda; 2016; 09 September 2020; 19 September 2020; 1055
Asaad Halayga;1172102;15 November 1999;0592316909;B14W83;Audi;2014;09 September 2020;10 October 2020;4366
Jad Samara: 1171260; 4 March 2000: 0596452131; B25U10: Honda: 2016: 01 January 2019: 01 January 2020: 32499
Sara Ahmed; 1161227; 9 September 1998; 0599653496; K75Q60; Audi; 2016; 01 September 2020; 20 September 2020; 2628
```

We added a new entry by renting a car in the file.

Task #4:

We show all the available cars in the company.



We chose a car by its CL and printed number of days the car was rented, revenue made by renting the car, average price per day for renting each car.