



Faculty of Engineering and Technology
Electrical and Computer Engineering Department
Linux Laboratory, ENCS313

To Do #3

Time: 120 minutes

Submission:

- Submit a python script to complete the tasks below.
 - A report including screenshots of the output of your code with proper documentation.
 - Name the pdf file as **ToDo3_#####-yyyyyyy-Sec-zz.pdf**
: university number
yyyyyyy : Your first Name
zz: Section Number
-

Problem Description

A car rental company records all car rentals manually on a text file (“CarRentalInfo.txt”). They record the following information about each car rental:

- **Name:** Name of the person renting the car (example: Ahmad Omar),
- **Id:** Id number of the person renting the car (example: 802424333),
- **DoB:** Date of birth of the person renting the car (example: 10 April 2000),
- **Mobile:** mobile number of the person renting the car (example: 0550123456),
- **CL:** an alphanumeric value representing the car license number (example: A10B20)
- **CM:** car make (example: Audi),
- **Year:** the year of manufacturing the car (example: 2018),
- **SD:** car rent start date (example: 15 April 2020),
- **ED:** car rent end date (example: 17 April 2020),
- **RB:** the amount the customer paid for this rental (example; 170).

This information is added in separate lines for each car rental with a semicolon as the separator between fields. Here are a few examples:

Ahmad Omar;802424333;10 April 2000;0550123456;A10B20;Audi;2018;15 April 2020;17 April 2020;350

Abeer Islam;801321533;1 March 1999;0440123456;C30B20;BMW;2016;5 February 2019;8 February 2019;370

ToDo#3 Tasks:

Write a python script with proper functions to inquire and print on-screen information from the (“CarRentalInfo.txt”). The inquiry must be of two types:

- 1- Inquiry about a person using the **Name** or **Id**.
 - a. Print information about the person and all cars rented by the person.
 - b. Compute and print the total money paid by this person for renting cars.
- 2- Inquiry about a car using the **CL**.
 - a. Print information about the car and all persons rented the car.
 - b. Compute and print the revenue made by renting this car.