BASIC PYTHON PROJECT

Guidelines:

i.   *This Assignment is mandatory for everyone.*

ii. *It is mandatory to submit the answer with the screenshot of the output you have received. Otherwise, no marks will be given.*

iii. *If anyone fails to submit the assignment within the last date. His/her assignment submission will not be evaluated and will be allotted minus marks also.*

Task:- Design a full-fledged Vehicle Rental System in Python

Customers can :

- See available bikes, cars & cycles on the shop.

For Bikes:-

- Rent bikes on an hourly basis $5 per hour
- Rent bikes on a daily basis $20 per day
- Rent bikes on a weekly basis $60 per week.
- Family Rental, a promotion that can include from 3 to 5 rentals with a discount of 30% of the total price.

For Cars :

- Rent cars on hourly basis $10 per hour
- Rent cars on daily basis $40 per day
- Rent cars on weekly basis $120 per week.
- Family Rental, a promotion that can include from 3 to 5 rentals with a discount of 40% of the total price

For Cycles :

- Rent cycles on hourly basis $2 per hour
- Rent cars on daily basis $8 per day
- Rent cars on weekly basis $30 per week.

- Family Rental, a promotion that can include from 3 to 5 rentals with a discount of 50% of the total price

The Vehicle Rental Shop can :

- Issue a bill when customer decides to return any of the vehicle.
- Display available inventory.
- Take request on hourly, daily & weekly basis by cross verifying stock.

For simplicity assume that

1. Any customer request rental of only one type i.e hourly, monthly or weekly.
2. Are free to choose the number of vehicle (cars, bikes or cycles) they want.
3. Requested cars, bikes or cycles should be less than available stock.

To sum It up your project should include the following

- Implement a set of classes to model this domain and logic in short a working code!
- Apply all the recommended practices you would use in a real project.
- You can use functions, classes & objects, some libraries, etc.