Question 1

Assume you are asked to implement a system to manage an online course delivering a website with OOP.

- 1. Create a python class with the following instance variables (Take the name of the class as "Course")
 - Course Name cname
 - Number of lessons nlessons
 - Course duration -cdue
 - Number of participants npart
- 2. Modify the class with an additional atribute course fee (cfee) and make both 'npart' and 'cfee' private attributes.
- 3. Include an additional method to the "course" which calculates the total revenue. (Hint: total revenue = npart x cfee)
- 4. Modify the class by implementing setters for "npart" & "cfee" variables.
- 5. Implement another class called "crashCource" which includes the features of the "Course" class. Additionally, "Crash Course" class has "duedate" & "location" attributes.

Question 2

Assume you are asked to implement a vehicle parking system with the use of object-oriented programming

- 1. Create a python class called "Vehicle" with following class variables
 - Location
 - Time hrs
 - Rate
 - RegNo.
- 2. Add a method to the class which calculate the total charge.

(Hint: total charge = hrs x rate)

- 3. Make the RegNo a private variable
- 4. Create a getter and a setter for the RegNo
- 5. Create another class called "Car" and include all variable and methods from the Vehicle class. Add a new attribute to the Car class called number of wheels (nwheels)