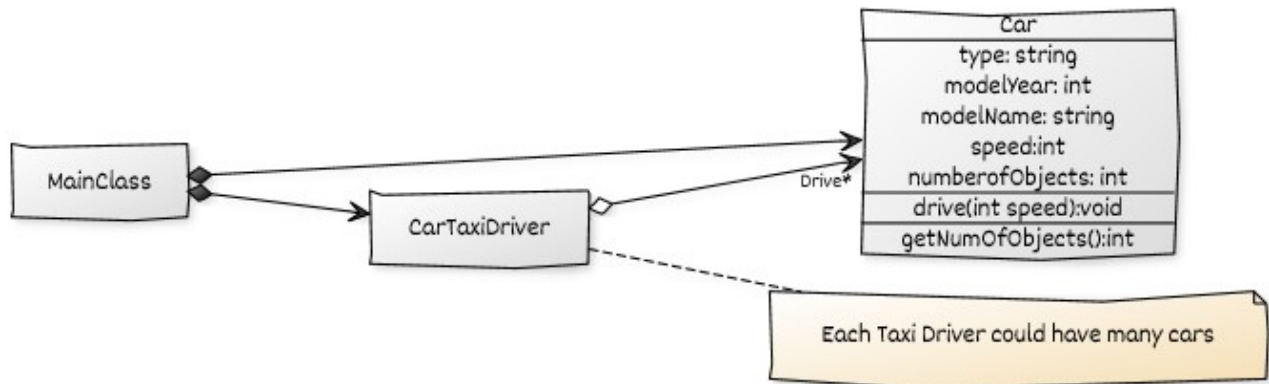**BIRZEIT UNIVERSITY**

# COMPUTER SCIENCE DEPARTMENT FACULTY OF ENGINEERING AND TECHNOLOGY

## ADVANCED PROGRAMMING COMP231

**Lecturer :Farid Mohammad**

# Assignment



1. Implement class Car as shown above UML diagram
2. Define another class called MainClass that has the main method
3. MainClass should create three objects of type Cars
4. from MainClass call methods drive and getNumOfObjects() on each car object and print its result
5. Implement a constructor that take all attributes on Car Class
6. Implement setters and getters for all attributes for Car class
7. Use all setters methods set values entered from the user for all the three objects(car1, car2,car3)
8. Use getters methods to print the values of all objects(car1,car2,car3)
9. Develop a class called CarTaxiDriver that has below methods:
   a) void addCar(Car car)
   b) void setDriverID(Int id)
   c) From MainClass main method create two CarTaxiDriver objects called **carTaxiDriver1, carTaxiDriver2**
   d) Create another four Car objects **tcar1,tcar2,tcar3,tcar4**
   e) add tcar1 and tcar2 to **carTaxiDriver1  using addCar method**
   f) add tcar3 and tcar4 to **carTaxiDriver2  using addCar method**

Compress java files and Snipping Tool images showing code and output  into a .zip file and attach to ITC