Lab 5

Exercise

- Create a java project entitled: "DrivingCar"
- In this project create three different classes: one class for the Car, one class for the Driver and one class for the Test.
- Class Diagram:

Car
- Model: String - Color: String - Price: double
+ Car(Model: String, Color: String, Price: double) + getModel() : String + getColor() : String + getPrice() : double + setColor(Color: String) : void + setPrice(Price: double) : void + start() : void: print "The car is starting! " + stop() : void: print "The car is stopping!" + toString(): String

Driver
- Cin: int - Name: String - Age: int - Car: Car
+ Driver(Cin: int, Name: String, Age: int) + getCin() : int + getName(): String + getAge(): int + getCar() : Car + setName(Name: String): void + setAge(Age: int) : void + setCar(Car: Car) : void + toString(): String

- In the test, please do the following:
    a) Create one object of type Car. This car has the model: Nissan, the color: black, and the price set to 32.560
    b) Create one object of type: Driver. The driver has the cin: 12345678, with the name: Sami, and of age: 42.
    c) Our Driver Sami has bought the Car Nissan.
    d) Display the information related to Sami and his new car.
    e) Sami is driving his car. The car is starting. At the end of the road, the car is stopping.
- This is your expected output:

```
Problems  @ Javadoc  Declaration  Console ☒
<terminated> Test (5) [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.e:
Our driver Sami with the cin: 12345678 has bought a new car.

The model of the new car is: Nissan.
It has the following color: Black

The price of Sami's car is: 32.56

Sami is driving his car:
Car is Starting!
Car is Stopping!
```