Design a Car model class **under package :package3**with the following attributes:

Member Field Name	**Type**
licenceNumber	String
model	String
currentMileage	Double
engineSize	Integer

Mark all the attributes as private & create appropriate Getters & Setters

Design another class as **Mainunder package :package3**, where you need to implement logic as follows:

You need to take the number of cars as input and then take each car's necessary information and put them in array.

Then at end show them in well-designed format.

```
package package3;

public class CarModel {
	private String licenceNumber;
	private String model;
	private double currentMileage;
	private int engineSize;


	public String getLicenceNumber() {
		return licenceNumber;
	}

	public void setLicenceNumber(String licenceNumber) {
		this.licenceNumber = licenceNumber;
	}

	public String getModel() {
		return model;
	}

	public void setModel(String model) {
		this.model = model;
	}

	public double getCurrentMileage() {
		return currentMileage;
	}

	public void setCurrentMileage(double currentMileage) {
		this.currentMileage = currentMileage;
	}

	public int getEngineSize() {
		return engineSize;
	}

	public void setEngineSize(int engineSize) {
		this.engineSize = engineSize;
	}


	public CarModel() {
		licenceNumber = "None";
		model = "None";
		currentMileage = 0;
		engineSize = 0;
	}
	public CarModel(String licenceNumber, String model, double currentMileage,int engineSize) {
		this.licenceNumber = licenceNumber;
		this.model = model;
		this.currentMileage = currentMileage;
		this.engineSize = engineSize;
	}

}
```

```
package package3;

import java.util.Scanner;


public class Main {

	public static void main(String[] args) {
		Scanner input = new Scanner(System.in);
		System.out.print("Enter the number of cars : ");
		int n = input.nextInt();
		CarModel[] cars = new CarModel[n];

		setCarsModel(cars);
		getCarsModel(cars);
	}

	public static void setCarsModel(CarModel[] cars) {
		Scanner input = new Scanner(System.in);
		for(int i = 0; i < cars.length; i++) {
			System.out.print("Enter licence number : ");
			String licenceNumber = input.next();

			System.out.print("Enter model : ");
			String model = input.next();

			System.out.print("Enter Current Mileage : ");
			double currentMileage = input.nextDouble();

			System.out.print("Enter Engine Size  : ");
			int  engineSize = input.nextInt();

			cars[i] = new CarModel(licenceNumber, model, currentMileage, engineSize);
		}
		input.close();
	}

	public static void getCarsModel(CarModel[] cars) {
		System.out.println("Car Model details are : ");
		for(int i = 0; i < cars.length; i++) {
			System.out.println("Licence number : " + cars[i].getLicenceNumber());
			System.out.println("Model : " + cars[i].getModel());
			System.out.println("Current Mileage : " + cars[i].getCurrentMileage());
			System.out.println("Engine Size : " + cars[i].getEngineSize());
			System.out.println("================================================");
		}
	}

}
```

Output:

```
Enter the number of cars : 3
Enter licence number : 1
```


```
Enter model : a
Enter Current Mileage : 1
Enter Engine Size  : 1
Enter licence number : 2
Enter model : b
Enter Current Mileage : 2
Enter Engine Size  : 2
Enter licence number : 3
Enter model : c
Enter Current Mileage : 3
Enter Engine Size  : 3
Car Model details are :
Licence number : 1
Model : a
Current Mileage : 1.0
Engine Size : 1
==================================================
Licence number : 2
Model : b
Current Mileage : 2.0
Engine Size : 2
==================================================
Licence number : 3
Model : c
Current Mileage : 3.0
Engine Size : 3
==================================================
```