

```

package pgm2;
//instance members
public class Car {
private String b;
private String m;
private double p;
private double mil;
private String n;
//static members
private static int totalCars;
private static String showroomName="Mahindra Showroom ";
//constructor 1
    public Car(String b, String m, double p, double mil) {
        this.b="Mahindra";
        this.m="XUV";
        this.p=120000.d;
        this.mil=24.d;
        this.n= "Not Assigned";
        totalCars++;
    }

    //constructor 2
    public Car(String b, String m, double p, double mil, String owner) {
        this.b="Mahindra"; // same as above
        this.m="XUV";
        this.p=120000.d;
        this.mil=24.d;
        this.n= owner;
        totalCars++;
    }
    //getter & setter for ownerName
    public String getOwnername()
    {
        return n;
    }
    public void setOwnername(String owner)
    {
        this.n="owner";
    }
    public void displayDetails()
    {
        System.out.println("Brand:"+b);
        System.out.println("Model:"+m);
        System.out.println("price:"+p);
        System.out.println("Mileage:"+mil);
        System.out.println("Owner:"+n);
    }
    public void updatePrice(double newPrice) {
        p = newPrice;
    }

    // static methods
    public static void showtotalCars()

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        {
            System.out.println("Total Cars: " + totalCars);
        }

        public static void showShowroomName() {
            System.out.println("Showroom: " + showroomName);
        }
    }

public class ShowRoom{
    // TODO Auto-generated method stub
    public static void main(String[] args) {
        Car c1 = new Car("Toyota", "Corolla", 15000, 18.5);
        Car c2 = new Car("Honda", "Civic", 20000, 16.0, "John");
        Car c3 = new Car("Hyundai", "i20", 12000, 20.0);

        c1.displayDetails();
        c2.displayDetails();
        c3.displayDetails();

        package pgm2;
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private static String showroomName="Mahindra Showroom ";
//constructor 1
    public Car(String b, String m, double p, double mil) {
        this.b="Mahindra";
        this.m="XUV";
        this.p=120000.d;
        this.mil=24.d;
        this.n= "Not Assigned";
        totalCars++;
    }

    //constructor 2
    public Car(String b, String m, double p, double mil, String owner) {
        this.b="Mahindra"; // same as above
        this.m="XUV";
        this.p=120000.d;
        this.mil=24.d;
        this.n= owner;
        totalCars++;
    }
    //getter & setter for ownerName
    public String getOwnername()
    {
        return n;
    }
}

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    }
    public void setOwnername(String owner)
    {
        this.n="owner";
    }
    public void displayDetails()
    {
        System.out.println("Brand:"+b);
        System.out.println("Model:"+m);
        System.out.println("price:"+p);
        System.out.println("Mileage:"+mil);
        System.out.println("Owner:"+n);
    }
    public void updatePrice(double newPrice) {
        p = newPrice;
    }
    c1.setOwnername("Alice"); // using setter
    c1.updatePrice(16000);

    System.out.println("After Updates:");
    c1.displayDetails();

    Car.showShowroomName();
    Car.showtotalCars();
}

```

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}
Brand:Mahindra
Model:XUV
price:120000.0
Mileage:24.0
Owner:Not Assigned
Brand:Mahindra
Model:XUV
price:120000.0
Mileage:24.0
Owner:John
Brand:Mahindra
Model:XUV
price:120000.0
Mileage:24.0
Owner:Not Assigned
After Updates:
Brand:Mahindra
Model:XUV
price:16000.0
Mileage:24.0
Owner:owner
Showroom: Mahindra Showroom
Total Cars: 3

```