Problem 1: Inheritance in Java.

```
⋈ Welcome × J Car.java ×
                                                                                                                                                                                          ② Run: Car + ∨ ⊟ 🛍 ··· 〈 ×
                                                                                                                                                                                                                          C:\Program Files\Eclipse Adoptium\jdk-17.0.13.11-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-c p' 'C:\Users\sobha\AppData\Roaming\Code\User\workspaceStor age\15f2f91a8b2e3b4a714ad047854cab98\redhat.java\jdt_ws\La
   J Car.java > ..
              class Vehicle {
                     int buildDate = 2015:
                                                                                                                                                                                                                          age\1572*PJA8bZeJ8bda/IAad04/854Cab98\rednat.j
b Report 5_177e2dd2\bin' 'Car'
Car Model: Nissan
Year: 2015
Car Model: Prious
Year: 2022
PS E:\@CODES\Academic\Java\Lab\Lab Report 5>
                     public void displayCarInfo() {
   System.out.println("Model: " + model);
   System.out.println("Year: " + buildDate);
              class Toyota extends Vehicle {
   public void changeData() {
     model = "Prious";
}
     11
                          buildDate = 2022;
     14
     15
16
                    public void displayCarInfo() {
   System.out.println("Car Model: " + model);
   System.out.println("Year: " + buildDate);
     17
     19
     20
21
              public class Car extends Toyota {
                    public static void main(String[] args) {
     24
                             Toyota obj = new Toyota();
                            obi.displayCarInfo():
     27
                           obj.changeData();
obj.displayCarInfo();
     29
     31
             ť
```

Problem 2: Java Inner Classes