





RELEASE - project/src/lab7/VehicleApp.java - Spring Tool Suite 4

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package-info.java Vehicle.java VehicleApp.java

```
1 package lab7;
2
3 public class VehicleApp { // Renamed to VehicleApp
4     public static void main(String[] args) {
5         Truck truck = new Truck("Ford", "F-150", 2023, "Gasoline", 3.5);
6         Car car = new Car("Toyota", "Camry", 2022, "Hybrid", 4);
7         Motorcycle motorcycle = new Motorcycle("Harley-Davidson", "Street 750", 2021, "Gasoline", 5);
8
9         // Displaying information
10        truck.displayTruckInfo();
11        System.out.println("Fuel Efficiency: " + truck.calculateFuelEfficiency(300, 15) + " mpg");
12        System.out.println("Distance Traveled: " + truck.calculateDistanceTraveled(10, 15) + " miles");
13        System.out.println("Max Speed: " + truck.calculateMaxSpeed() + " mph\n");
14
15        car.displayCarInfo();
16        System.out.println("Fuel Efficiency: " + car.calculateFuelEfficiency(400, 10) + " mpg");
17        System.out.println("Distance Traveled: " + car.calculateDistanceTraveled(12, 35) + " miles");
18        System.out.println("Max Speed: " + car.calculateMaxSpeed() + " mph\n");
19
20        motorcycle.displayMotorcycleInfo();
21        System.out.println("Fuel Efficiency: " + motorcycle.calculateFuelEfficiency(250, 5) + " mpg");
22        System.out.println("Distance Traveled: " + motorcycle.calculateDistanceTraveled(8, 50) + " miles");
23        System.out.println("Max Speed: " + motorcycle.calculateMaxSpeed() + " mph\n");
24    }
25 }
```

Outline

lab7
VehicleApp
main(String[]): void

Problems Javadoc Declaration Console

<terminated> VehicleApp [Java Application] C:\Users\ELCOT\Desktop\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21

```
Car Info: Toyota Camry (2022)
Number of Doors: 4
Fuel Efficiency: 40.0 mpg
Distance Traveled: 420.0 miles
Max Speed: 150.0 mph

Motorcycle Info: Harley-Davidson Street 750 (2021)
Has Sidecar: No
Fuel Efficiency: 50.0 mpg
Distance Traveled: 400.0 miles
Max Speed: 180.0 mph
```