

Java → Object-oriented programming → Inheritance and polymorphism → Nested classes → [Inner classes](#)

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Inner classes → New Inner class

📊 Medium ⌚ 5 minutes ?

Inside your `Vehicle` create a new inner class `Body`.

`Body` should have field `color(String)`, its constructor and method `void printColor` for printing the `color`.

The output of the method `printColor` for a vehicle called Dixi with a red body will look like:

```
1 | Vehicle Dixi has red body.
```

Remember about constructor in the outer class.

Please, don't use the access modifier `private` for a class or a method.

📄 Report a typo

↩ Write a program

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```
1  Pclass Vehicle {
2
3      private String name;
4
5      // create constructor
6      public Vehicle(String name) {
7          this.name = name;
8      }
9
10     class Engine {
11
12         void start() {
13             System.out.println("RRRRrrrrrrr....");
14         }
15
16     }
17
18     // create class Body
19     public class Body {
20         String color;
21
22         public Body(String color) {
23             this.color = color;
24         }
25
26         public void printColor() {
27             System.out.println("Vehicle " + name + " has " + this.color + " body.");
28         }
29     }
30 }
31
32 // this code should work
33 class EnjoyVehicle {
34
35     public static void main(String[] args) {
36
37         Vehicle vehicle = new Vehicle("Dixi");
38         Vehicle.Body body = vehicle.new Body("red");
39         body.printColor();
40     }
41 }
42
```

Java

✓ Correct.

That's an awesome solution! What do you think about showing it off? [Post it to Solutions](#) so other learners can enjoy it too.

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