

```
1 package Exercise2;
2
3 public class Car {
4     double speed;
5     String color;
6     final static double MAX_SPEED = 200.0;
7
8     Car() {
9         speed = 0;
10        color = "";
11    }
12
13    Car(String color){
14        this.color = color;
15    }
16
17    public double getSpeed() {
18        return speed;
19    }
20
21    public void setSpeed(double speed) {
22        this.speed = speed;
23    }
24
25    public String getColor() {
26        return color;
27    }
28
29    public void setColor(String color) {
30        this.color = color;
31    }
32
33    boolean speedUp(double speed) {
34        if((speed < 0) || (speed > MAX_SPEED)) {
35            this.speed = 0.0;
36            return false;
37        } else {
38            this.speed = speed + this.speed;
39            return true;
40        }
41    }
42
43    public static double getMaxSpeed() {
44        return MAX_SPEED;
45    }
46
47    public String toString() {
48        return String.format("%f, %s", speed, color);
49    }
50 }
```

Car.java

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