```java
 1  package chapter06.exercise;
 2
 3  public class NewCar {
 4      private double speed = 0; // 현재 속도
 5      private String color; // 자동차 색상
 6      private static final double MAX_SPEED = kiloToMile(200); //
      차의 엔진이 허용하는 최대 속력(상수)
 7
 8      NewCar() {
 9      }
10
11      NewCar(String color) {
12          this.color = color;
13      }
14
15      public double getSpeed() {
16          return mileToKilo(speed);
17      }
18
19      public void setSpeed(double speed) {
20          this.speed = kiloToMile(speed);
21      }
22
23      public String getColor() {
24          return color;
25      }
26
27      public void setColor(String color) {
28          this.color = color;
29      }
30
31      public boolean speedUp(double speed) {
32          double newSpeed = this.speed + mileToKilo(speed);
33          if (newSpeed < 0 || newSpeed > MAX_SPEED) {
34              return false;
35          }
36          this.speed = newSpeed;
37          return true;
38      }
39
40      public static double getMaxSpeed() {
41          return mileToKilo(MAX_SPEED);
```

```java
42    }
43
44    private static double kiloToMile(double distance) {
45        return distance / 1.6;
46
47    }
48
49    private static double mileToKilo(double distance) {
50        return distance * 1.6;
51
52    }
53 }
54
```