

```
1 package chapter07.exercise;
2
3 public class Circle extends Shape {
4     private double radius;
5
6     public Circle(double radius) {
7         this.radius = radius;
8     }
9
10    @Override
11    public double area() {
12        return radius * 2 * Math.PI;
13    }
14
15    public double perimeter() {
16        return radius * radius * Math.PI;
17    }
18
19    public String toString() {
20        return "도형의 종류: 원, 둘레:" + area() + "cm, 넓이: " +
21        perimeter() + "cm2";
22    }
23 }
```