

```
1 package chapter07.Exercise;
2
3 public class Circle extends Shape {
4     //필드
5     private double radius;
6
7     //생성자
8     public Circle(double radius) {
9         this.radius = radius;
10    }
11
12    //메소드
13    @Override
14    public double area() {
15        return radius * radius * Math.PI;
16    }
17
18    @Override
19    public double perimeter() {
20        return radius * 2 * Math.PI;
21    }
22
23    public String toString() {
24        return String.format("도형의 모양 : 원형, 둘레:" + perimeter() + ", 넓이:"
25            + area() );
26    }
27 }
28
```