Exercise 02:

```java
abstract class Shape {
   public abstract double calculateArea();

   public void display() {
      System.out.println("Shape: " + this.getClass().getSimpleName());
      System.out.println("Area: " + calculateArea());
   }
}

class Circle extends Shape {
   private double radius;

   public Circle(double radius) {
      this.radius = radius;
   }
   public double calculateArea() {
      return Math.PI * radius * radius;
   }
}

class Rectangle extends Shape {
   private double length,width;

   public Rectangle(double length, double width) {
      this.length = length;
      this.width = width;
   }

   public double calculateArea() {
      return length * width;
   }
}
```

```java
public class Main {
    public static void main(String[] args) {
        Circle circle = new Circle(8);
        Rectangle rectangle = new Rectangle(3, 2);
        circle.display();
        rectangle.display();
    }
}
```

Output:

```
Shape: Circle
Area: 201.06

Shape: Rectangle
Area: 6.0
```