

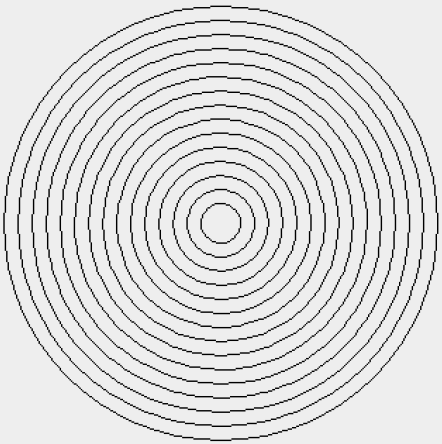
```

import java.awt.*;
import java.awt.geom.*;
import com.programwithjava.basic.DrawingKit;

public class ConcentricCircles {
    public static void main(String[] args) {
        DrawingKit dk = new DrawingKit("Concentric Circles");
        float R = 154, innerCircle = 20, x = R, y = R;
        float step = 10;
        float innermostCircleDiameter = R;
        int circles_counter = 0;

        while (R*2 >= innerCircle) {
            // draw a circle with diameter 2*(R-10)
            Ellipse2D.Float circle = new Ellipse2D.Float(x, y, 2 * R, 2 * R);
            dk.setPaint(Color.black);
            dk.draw(circle);
            circles_counter++; // count how many circles with diameter <= 20 is drawn
            innermostCircleDiameter = 2 * R; // the innermost diameter >= 20 is drawn
            x += step;
            y += step;
            R -= step;
        }
        System.out.println(circles_counter);
        System.out.println(innermostCircleDiameter);
    }
}

```



```

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55

```

Problems Javadoc Declaration Console

ConcentricCircles [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_211.jdk/Contents/Home/bin/java (Apr 19, 2015) 28.0