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import java.awt.*;
import java.awt.geom.*;
import javax.swing.*;

public class Animasi extends JPanel {
    private float xpos = 20f;
    private float ypos = 20f;
    private float diff = 1.0f;

    public Animasi() {
        new AnimasiRunnable();
    }

    public void paintComponent(Graphics g) {
        super.paintComponent(g);
        Graphics2D g2d = (Graphics2D) g;
        Rectangle2D rect =
            new Rectangle2D.Float(xpos, ypos, 80f, 40f);
        g2d.fill(rect);
    }

    public static void main(String[] args) {
        JFrame frame = new JFrame("Animasi");
        frame.add(new Animasi());
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.setSize(450, 450);
        frame.setLocationRelativeTo(null);
        frame.setVisible(true);
    }

    class AnimasiRunnable implements Runnable {
        private Thread runner;
        public AnimasiRunnable() {
            runner = new Thread(this);
            runner.start();
        }

        public void run() {
            while (true) {
                repaint();
                if (xpos > 400.0f)
                    diff = -1.0f;
                else if (xpos < 20f)
                    diff = 1.0f;

                xpos += diff;
                ypos += diff;

                try {
                    Thread.sleep(30);
                } catch (Exception e) {}
            }
        }
    }
}

```