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import java.awt.BorderLayout;

import javax.swing.JFrame;
import javax.swing.JPanel;

import com.comsol.model.Model;
import com.comsol.model.util.ModelUtil;
import com.comsol.modelgui.swing.SwingGraphicsPanel;

public class BeamModelDemo {
    private JFrame frame;
    private Model model;
    public static void main(String[] args) {
        BeamModelDemo demo = new BeamModelDemo();
        demo.init();
        demo.start();
    }

    public void init() {

        ModelUtil.initStandalone(true);
        ModelUtil.connect("localhost", 2036);
    }
    public void start() {
        frame = new JFrame("Beam GUI - based on COMSOL Multiphysics");
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.setSize(1000, 730);
        JPanel mainPanel = new JPanel();
        frame.getContentPane().add(mainPanel);
        mainPanel.setLayout(new BorderLayout());
        SwingGraphicsPanel graphicsPanel =
        new SwingGraphicsPanel("window1", "Window1");
        mainPanel.add(graphicsPanel, BorderLayout.CENTER);
        frame.setVisible(true);
        model = BeamModel.run();
        model.sol("sol1").runAll();
        model.result("pg1").set("window", "window1");
        model.result("pg1").run();
    }
}

```