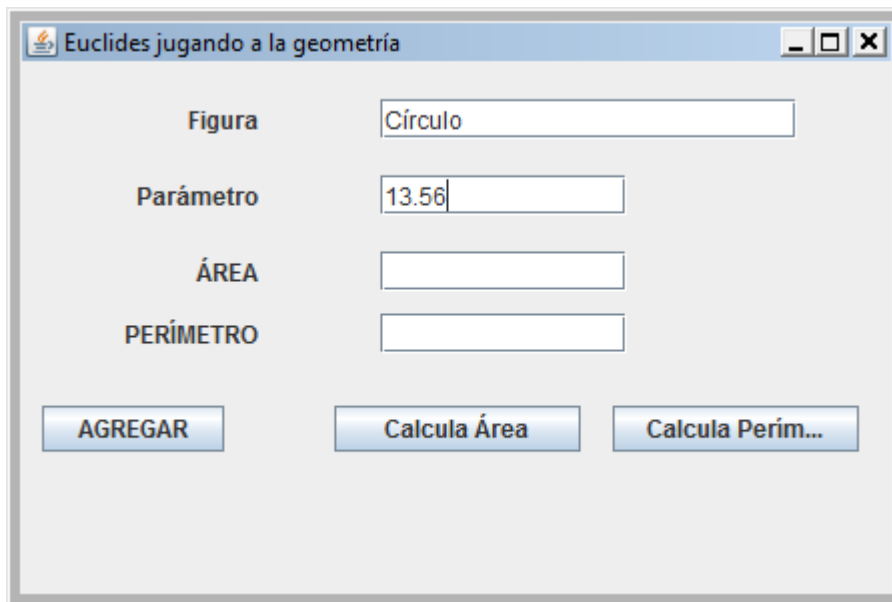


Ejemplo de interfaz gráfica para el ejemplo de Figuras Geométricas



```
import java.awt.EventQueue;

public class Euclides {

    private JFrame frmEuclidesJugandoA;
    private JTextField textField;
    private JTextField textField_1;
    private JTextField textField_2;
    private JTextField textField_3;

    private LasFiguras misFigs;

    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    Euclides window = new Euclides();
                    window.frmEuclidesJugandoA.setVisible(true);
                } catch (Exception e) {
                    e.printStackTrace();
                }
            }
        });
    }

    public Euclides() {
        misFigs = new LasFiguras();
        initialize();
    }

    /**
     * Initialize the contents of the frame.
     */
    private void initialize() {
```

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```
frmEuclidesJugandoA = new JFrame();
frmEuclidesJugandoA.setTitle("Euclides jugando a la geometr\u00E9da");
frmEuclidesJugandoA.setBounds(100, 100, 450, 300);
frmEuclidesJugandoA.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frmEuclidesJugandoA.getContentPane().setLayout(null);

JLabel lblNewLabel = new JLabel("Figura");
lblNewLabel.setHorizontalAlignment(SwingConstants.RIGHT);
lblNewLabel.setBounds(47, 21, 71, 14);
frmEuclidesJugandoA.getContentPane().add(lblNewLabel);

JLabel lblNewLabel_1 = new JLabel("Par\u00Elmetro");
lblNewLabel_1.setHorizontalAlignment(SwingConstants.RIGHT);
lblNewLabel_1.setBounds(27, 59, 91, 14);
frmEuclidesJugandoA.getContentPane().add(lblNewLabel_1);

JLabel lblNewLabel_2 = new JLabel("\u00C1REA");
lblNewLabel_2.setHorizontalAlignment(SwingConstants.RIGHT);
lblNewLabel_2.setBounds(26, 97, 92, 14);
frmEuclidesJugandoA.getContentPane().add(lblNewLabel_2);

JLabel lblNewLabel_3 = new JLabel("PER\u00CDMETRO");
lblNewLabel_3.setHorizontalAlignment(SwingConstants.RIGHT);
lblNewLabel_3.setBounds(27, 128, 91, 14);
frmEuclidesJugandoA.getContentPane().add(lblNewLabel_3);

textField = new JTextField();
textField.setBounds(179, 18, 208, 20);
frmEuclidesJugandoA.getContentPane().add(textField);
textField.setColumns(10);

textField_1 = new JTextField();
textField_1.setBounds(179, 56, 123, 20);
frmEuclidesJugandoA.getContentPane().add(textField_1);
textField_1.setColumns(10);

textField_2 = new JTextField();
textField_2.setBounds(179, 94, 123, 20);
frmEuclidesJugandoA.getContentPane().add(textField_2);
textField_2.setColumns(10);

textField_3 = new JTextField();
textField_3.setBounds(179, 125, 123, 20);
frmEuclidesJugandoA.getContentPane().add(textField_3);
textField_3.setColumns(10);

JButton btnNewButton = new JButton("AGREGAR");
btnNewButton.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent arg0) {
        if (textField.getText().equals("C\u00C9rculo")){
            misFigs.agregaFigura(new
C\u00C9rculo(Double.parseDouble(textField_1.getText())));
            textField.setText("YA");
        }
        else
            if (textField.getText().equals("Cuadrado")){
                misFigs.agregaFigura(new
Cuadrado(Double.parseDouble(textField_1.getText())));
                textField.setText("YA");
            }
        else
```

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```
        textField.setText("Figura desconocida");
    }
});
btnNewButton.setBounds(10, 171, 91, 23);
frmEuclidesJugandoA.getContentPane().add(btnNewButton);

JButton btnNewButton_1 = new JButton("Calcula \u00C1rea");
btnNewButton_1.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent arg0) {

textField_2.setText(""+misFigs.dameArea(Integer.parseInt(textField_1.getText())));
    }
});
btnNewButton_1.setBounds(156, 171, 123, 23);
frmEuclidesJugandoA.getContentPane().add(btnNewButton_1);

JButton btnNewButton_2 = new JButton("Calcula Per\u00EDmetro");
btnNewButton_2.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent arg0) {

textField_3.setText(""+misFigs.damePer\u00EDmetro(Integer.parseInt(textField_1.getText())
));
    }
});
btnNewButton_2.setBounds(295, 171, 123, 23);
frmEuclidesJugandoA.getContentPane().add(btnNewButton_2);
}
}
```