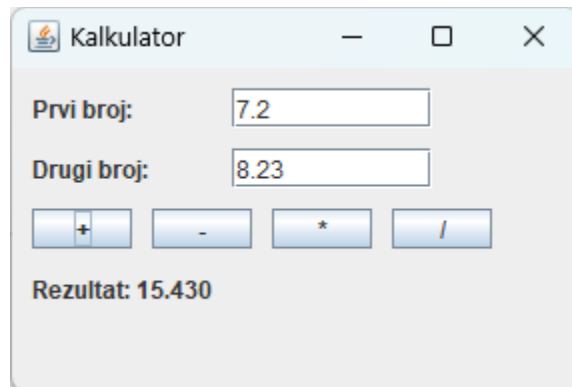


Vežba 10

Aplikacija kalkulator



```
package gui06;

import javax.swing.*;
import java.awt.event.*;
import java.util.Locale;

public class JFrame6 extends JFrame implements ActionListener {

    private JLabel lb11, lb12, lb13;
    private JTextField txt1, txt2;
    private JButton btnPlus, btnMinus, btnPutna, btnPodeljeno;

    public JFrame6() {
        initComponents();
    }

    private void initComponents() {
        setTitle("Kalkulator");
        setSize(300, 200);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setLocationRelativeTo(null);

        setLayout(null);

        lb11 = new JLabel("Prvi broj:");
        lb11.setBounds(10, 10, 100, 20);
        add(lb11);

        txt1 = new JTextField();
        txt1.setBounds(110, 10, 100, 20);
        add(txt1);

        lb12 = new JLabel("Drugi broj:");
        lb12.setBounds(10, 40, 100, 20);
        add(lb12);
```

```

txt2 = new JTextField();
txt2.setBounds(110, 40, 100, 20);
add(txt2);

btnPlus = new JButton("+");
btnPlus.setBounds(10, 70, 50, 20);
btnPlus.addActionListener(this);
add(btnPlus);

btnMinus = new JButton("-");
btnMinus.setBounds(70, 70, 50, 20);
btnMinus.addActionListener(this);
add(btnMinus);

btnPutu = new JButton("*");
btnPutu.setBounds(130, 70, 50, 20);
btnPutu.addActionListener(this);
add(btnPutu);

btnPodeljeno = new JButton("/");
btnPodeljeno.setBounds(190, 70, 50, 20);
btnPodeljeno.addActionListener(this);
add(btnPodeljeno);

lbl3 = new JLabel("Rezultat:");
lbl3.setBounds(10, 100, 200, 20);
add(lbl3);
}
public static boolean isNumber(String text) {
    try {
        Double.parseDouble(text);
        return true;
    } catch (NumberFormatException e) {
        return false;
    }
}

public void actionPerformed(ActionEvent e) {
    double a, b;
    String ispis= "";

    if (!isNumber(txt1.getText()) || !isNumber(txt2.getText())) {
        JOptionPane.showMessageDialog(this, "Unesite oba polja kao brojeve.",
"Greska", JOptionPane.ERROR_MESSAGE);
        txt1.setText("");
        txt2.setText("");
        txt1.grabFocus();

        return;
    }

    a = Double.parseDouble(txt1.getText());
    b = Double.parseDouble(txt2.getText());

```

```
if (e.getSource() == btnPlus) {
    ispis = String.format(Locale.ENGLISH, "Rezultat: %.3f", a+b);
}
else if (e.getSource() == btnMinus) {
    ispis = String.format(Locale.ENGLISH, "Rezultat: %.3f", a-b);
}
else if (e.getSource() == btnPutaj) {
    ispis = String.format(Locale.ENGLISH, "Rezultat: %.3f", a*b);
}
else if (e.getSource() == btnPodeljeno) {
    ispis = String.format(Locale.ENGLISH, "Rezultat: %.3f", a/b);
}

lbl3.setText(ispis);
}
}
```