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import java.awt.Color;
import java.awt.FlowLayout;
import java.awt.GridLayout;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.JTextField;
public class Kalkulator {
    JFrame Okvir;
    Color boja= Color.RED;
        //new Color(180,50,78);
    JButton d1, d2, d3, d4, d5, d6;
    JTextField tekst_polje;
    JPanel Panel;
    JPanel Panel2;
    Double a=0.0,b=0.0, rez=0.0;
    String operacija="";
    public Kalkulator() {
        Okvir = new JFrame("Novi frame");
        Okvir.setSize(250,250);
        d1 = new JButton("+");
        d2 = new JButton("-");
        d3 = new JButton("x");
        d4 = new JButton("/");
        d5 = new JButton("=");
        d6 = new JButton("C");
        tekst_polje = new JTextField(20);
        Panel = new JPanel();
        Panel2 = new JPanel();
        d1.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent bla) {

a=Double.parseDouble(tekst_polje.getText());
                operacija="plus";
                tekst_polje.setText("");

            }
        }
    }
}

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    });
    d2.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent bla) {

a=Double.parseDouble(tekst_polje.getText());
        operacija="minus";
        tekst_polje.setText("");

        }
    });

    d3.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent bla) {

a=Double.parseDouble(tekst_polje.getText());
        operacija="puta";
        tekst_polje.setText("");

        }
    });

    d4.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent bla) {

a=Double.parseDouble(tekst_polje.getText());
        operacija="dijeljeno";
        tekst_polje.setText("");

        }
    });

    d5.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent bla) {

b=Double.parseDouble(tekst_polje.getText());
        if(operacija.equals("plus")) {
            rez=a+b;
        }
        else if(operacija.equals("minus")) {
            rez=a-b;

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    }
    else if(operacija.equals("puta")) {
        rez=a*b;
    }
    else if(operacija.equals("dijeljeno")) {
        rez=a/b;
    }
    tekst_polje.setText(""+rez);
}
});
d6.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent bla) {
        a=0.0;
        b=0.0;
        operacija="";
        tekst_polje.setText("");
    }
});

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Panel2.setLayout(new GridLayout(3,2));
Panel.setLayout(new GridLayout(1,1));
Panel.add(tekst_polje);
Panel2.add(d1);
Panel2.add(d2);
Panel2.add(d3);
Panel2.add(d4);
Panel2.add(d5);
Panel2.add(d6);

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Panel.setBackground(Color.GRAY);
Okvir.add(Panel);
Okvir.add(Panel2);
Okvir.setLayout(new GridLayout(2,1));

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Okvir.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

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        //Okvir.pack();
        Okvir.setVisible(true);
    }
    public static void main(String[] args) {
        Kalkulator program = new Kalkulator();
    }
}
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