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public Prog1(){
    setLayout(new FlowLayout());
    Num1 = new TextField(1);
    Num2 = new TextField(1);
    Label result = new Label("Num1: ", Label.RIGHT);
    Label error = new Label("Num2: ", Label.RIGHT);
    add(Num1);
    add(Num2);
    add(divide);
    divide.addActionListener(this);
    addWindowListener(new WinAdapter());
}

public void actionPerformed(ActionEvent ae){
    if(ae.getSource() == divide){
        try{
            int n1 = Integer.parseInt(Num1.getText());
            int n2 = Integer.parseInt(Num2.getText());
            res = (float)n1/n2;
        }catch(NumberFormatException exception){
            res = 0;
            error = "Entered number is not an integer.";
        }catch(ArithmeticException exception){
            res = 0;
            error = "You tried to divide by zero.";
        }
        repaint();
    }
}

public void paint(Graphics g){
    g.drawString("Result: " + String.valueOf(res), 20, 100);
    g.drawString("Error: " + error, 20, 150);
}

public static void main(String[] args) {
    Prog1 p = new Prog1();
    p.setSize(new Dimension(400,400));
    p.setTitle("Divide");
    p.setVisible(true);
}

class WinAdapter extends WindowAdapter{
    public void windowClosing(WindowEvent we){
        System.exit(0);
    }
}
}

```