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import java.awt.*;
import java.awt.event.*;

class SampleDialog extends Dialog implements ActionListener
{
    Division div;
    SampleDialog(Frame parent, String title)
    {
        super(parent, title, false);
        div=(Division)parent;
        setLayout(new FlowLayout());
        setSize(400, 150);
        add(new Label(div.msg));
        Button b;
        add(b = new Button("OK"));
        b.addActionListener(this);
    }

    public void actionPerformed(ActionEvent ae)
    {
        dispose();
    }
}

public class Division extends Frame implements ActionListener
{
    String msg = "";
    String msg1 = "";
    TextField n1, n2, res;
    Button b;
    Label result = new Label("Result :", Label.RIGHT);

    public Division()
    {
        setLayout(new FlowLayout());
        Label num1 = new Label("Number 1 :", Label.RIGHT);
        Label num2 = new Label("Number 2 :", Label.RIGHT);
    }
}

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TextField n1, n2, res;
Button b;
Label result = new Label("Result :", Label.RIGHT);

public Division()
{
    setLayout(new FlowLayout());
    Label num1 = new Label("Number 1 : ", Label.RIGHT);
    Label num2 = new Label("Number 2 : ", Label.RIGHT);
    Button div = new Button("Divide");
    n1 = new TextField(10);
    n2 = new TextField(10);
    res = new TextField(35);

    add(num1);
    add(n1);
    add(num2);
    add(n2);
    b = (Button)add(div);
    add(result);
    add(res);

    n1.addActionListener(this);
    n2.addActionListener(this);
    b.addActionListener(this);

    addWindowListener(new WindowAdapter() {
        public void windowClosing(WindowEvent we) {
            System.exit(0);
        }
    });
}

public static void main(String[] args)
{
    Division appwin = new Division();
    appwin.setSize(new Dimension(450, 180));
    appwin.setTitle("Integer Division of two numbers");
}

```



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public static void main(String[] args)
{
    Division appwin = new Division();
    appwin.setSize(new Dimension(450, 180));
    appwin.setTitle("Integer Division of two numbers");
    appwin.setVisible(true);
}

public void actionPerformed(ActionEvent ae)
{
    if(!(n1.getText().equals("")) && !(n2.getText().equals("")))
    {
        try
        {
            msg1 = ""+(Integer.parseInt(n1.getText()) / Integer.parseInt(n2.getText()));
            res.setText(msg1);
        }
        catch(NumberFormatException e)
        {
            msg = "ERROR : ONLY INTEGERS SHOULD BE ENTERED";
            res.setText("");
            SampleDialog d = new SampleDialog(this, "ERROR");
            d.setVisible(true);
        }
        catch(ArithmeticException e)
        {
            msg = "ERROR : DIVISOR CANNOT BE ZERO";
            res.setText("");
            SampleDialog d = new SampleDialog(this, "ERROR");
            d.setVisible(true);
        }
    }
    else
    {
        msg = "ERROR: EMPTY NUMBER FIELDS";
        res.setText("");
    }
}

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}

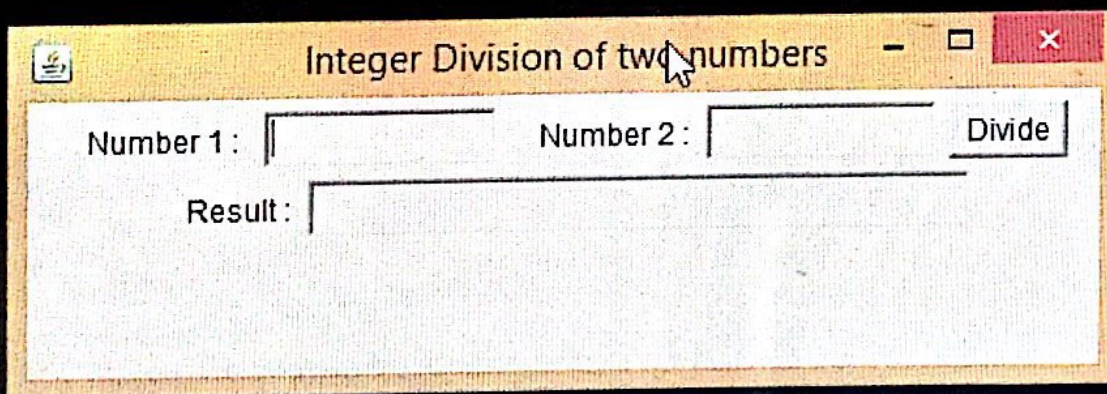
public void actionPerformed(ActionEvent ae)
{
    if(!(n1.getText().equals("")) && !(n2.getText().equals("")))
    {
        try
        {
            msg1 = ""+(Integer.parseInt(n1.getText()) / Integer.parseInt(n2.getText()));
            res.setText(msg1);
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    else
    {
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        res.setText("");
        SampleDialog d = new SampleDialog(this, "ERROR");
        d.setVisible(true);
    }
}
}

```



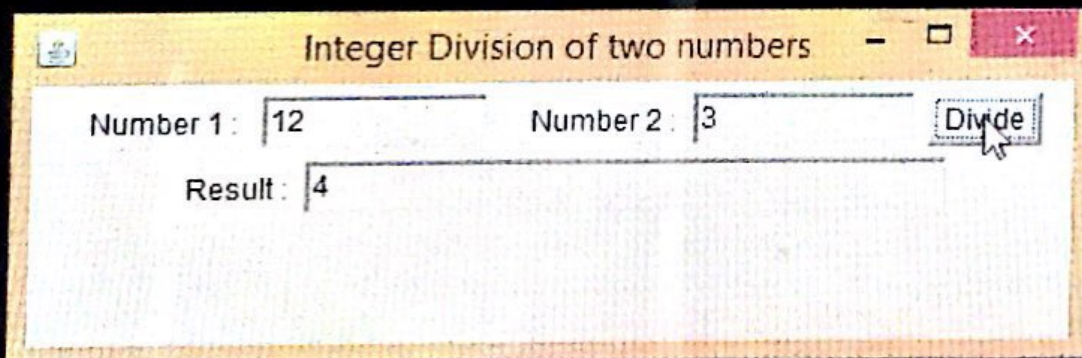
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C:\Program Files\Java\JDK 8\bin>javac Division.java
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The image shows a Java Swing window titled "Integer Division of two numbers". The window has a standard title bar with a minimize button, a maximize button, and a close button. Inside the window, there are two input fields labeled "Number 1:" and "Number 2:". To the right of the "Number 2:" field is a button labeled "Divide". Below these fields is a large text area labeled "Result:".

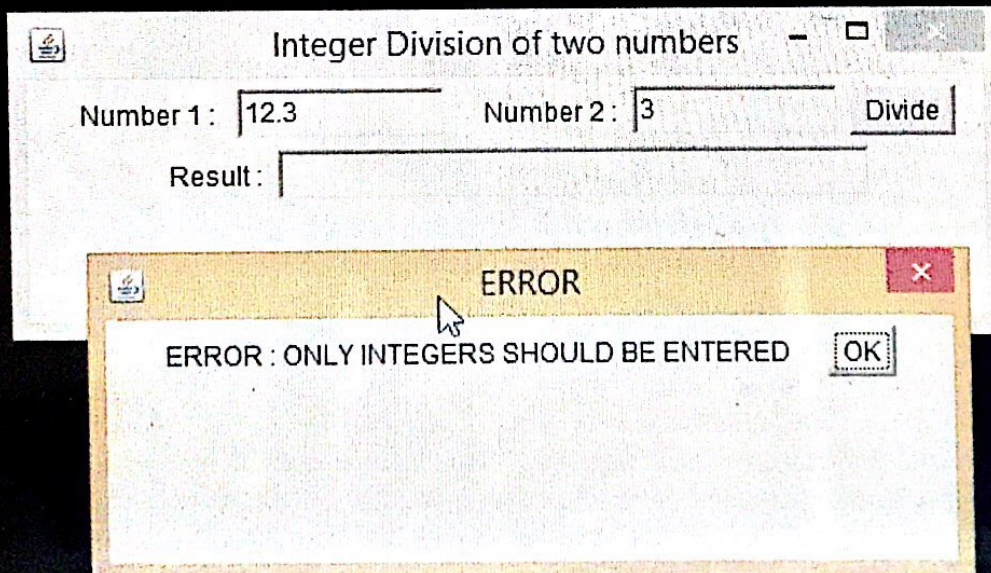
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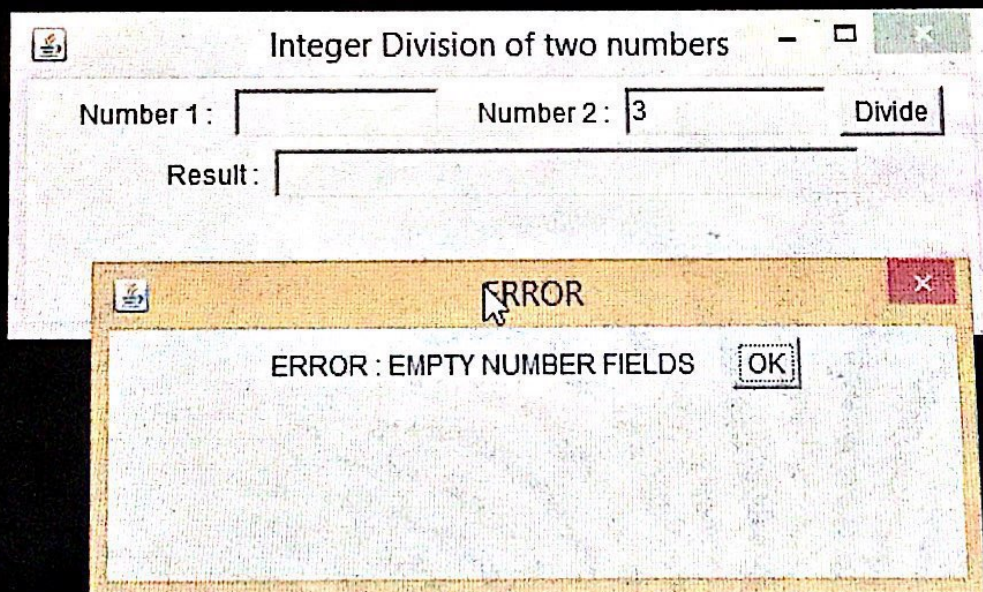
The image shows a Java Swing window titled "Integer Division of two numbers". Inside the window, there are two input fields: "Number 1:" with the value "12" and "Number 2:" with the value "3". To the right of these fields is a button labeled "Divide". Below the input fields, there is a label "Result:" followed by a text area containing the value "4". The window has a standard title bar with minimize, maximize, and close buttons.

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