

Lab-10
import java.awt.*;
import java.awt.event.*;
class DialogBox extends Dialog implements
ActionListener

<

label updated 1;

15

DialogBox(Frame parent, String title)

<

super(parent, title, false);

l = (label - updated) parent;

setLayout(new FlowLayout());

20

setSize(380, 100);

add(new label(l.msg));

Button b = new Button("Okay");

add(b);

b.addActionListener(this);

25

>

< public void actionPerformed(ActionEvent ae)

<

dispose();

>

30

>

public class lab10_updated extends Frame
implements ActionListener

<

TextField num1, num2, res;

String num3;


```

Button div;
String msg = "";
public lab10-updated()
<

```

```

    setLayout(new FlowLayout());
    num1 = new TextField(12);
    num2 = new TextField(10);
    res = new TextField(8);
    Label number1 = new Label("Num1:",
    LABEL.RIGHT);
    Label number2 = new Label("Num2:",
    LABEL.RIGHT);
Label
    Label result = new Label("Result:", res
    LABEL.RIGHT);
    div = new Button("Divide");
    add(number1);
    add(num1);
    add(number2);
    add(num2);
    add(div);
    add(result);
    add(res);
    num1.addActionListener(this);
    num2.addActionListener(this);
    div.addActionListener(this);
    res.addActionListener(this);
    addWindowListener(new WindowAdapter()
    <
        public void windowClosing(WindowEvent
        <
            e) {
                System.exit(0);
            }
    }
}

```



```

< public void actionPerformed (ActionEvent ae)

```

```

    String s = ae.getActionCommand();
    if (s.equals("Divide"))

```

```

    <
        res.setText(divide());
    >

```

```

>

```

```

    String divide()

```

```

    <

```

```

        int n1;
        int n1, n2;
        try
        {

```

```

            n1 = Integer.parseInt(num1.getText());
            n2 = Integer.parseInt(num2.getText());
            try
            {

```

```

                n = n1/n2;
                num3.setText(String.valueOf(n));
                return num3;
            }

```

```

        catch (ArithmeticException e)
        {

```

```

            msg = "Cannot divide Num1 by zero";
            DialogBox d = new DialogBox(
                this, "Exception message box");
            d.setVisible(true);
            return "";
        }

```

```

    }

```

```

    < catch (NumberFormatException nf)

```

```

        msg = "The input numbers should be integers";

```



```
Dialog Box d = new DialogBox (this,  
"Exception message box");  
d.setVisible(true);  
return "";
```

```
>  
< public static void main (String[] args)
```

```
lab10-updated appwin = new lab10-updated()  
appwin.setSize (new Dimension (380, 180));  
appwin.setTitle ("Division");  
appwin.setVisible(true);
```