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LAB - 10

```
import java.awt.~~Exc~~;
import java.awt.event.*;

class Dialog1 extends Dialog implements
ActionListener{
divide1 a;
Dialog1(Frame parent, String title)
{
    super(parent, title, ~~false~~);
    a = (divide1) parent;
    setLayout(new FlowLayout());
    setSize(300,200);
    add(new Label(a.error));
    Button b;
    add(b = new Button("ok"));
    b.addActionListener(this);
}
public void actionPerformed(ActionEvent
ae){
    dispose();
}
}

public class divide1 extends Frame
implements ActionListener{
String error = "";
Button b1 = new Button("Divide");
Label l1 = new Label("First number");
Label l2 = new Label("second
    number");
```

```
Label l3 = new Label();
Label l4 = new Label();
Textfield t1 = new Textfield();
Textfield t2 = new Textfield();
public divide1()
{
    setLayout(null);
    l1.setBounds(50,50,100,20);
    l2.setBounds(50,70,120,20);
    t1.setBounds(200,50,70,20);
    t2.setBounds(200,70,70,20);
    l3.setBounds(50,100,100,20);
    l4.setBounds(50,130,450,20);
    b1.setBounds(50,160,80,20);
    add(l1);
    add(l2);
    add(l3);
    add(l4);
    add(t1);
    add(t2);
    add(b1);
    b1.addActionListener(this);
    addWindowListener(new WindowAdapter());
}
public void actionPerformed(ActionEvent ae){

    try{
        int num1 = Integer.parseInt
    (t1.getText());
```

```
int num2 = Integer.parseInt(t2.getText());
~~l3.g~~
l3.setText("Result :"+String.valueOf(
num1/num2));
l4.setText("");
}catch(NumberFormatException nex)
{
    l3.setText("Result: Error");
    l4.setText(String.valueOf(nex));
}
catch(ArithmaticException aex)
{
    l3.setText("");
    l4.setText("");
    error = String.valueOf(aex);
    Dialog d1 = new Dialog(this,
    "Arithmatic Exception");
    d1.setVisible(true);
}
}

public static void main(String
args[])
{
    divide1 d = new divide1();
    d.setSize(450,450);
    d.setTitle("Divide");
    d.setVisible(true);
}
}
```

```
class WindowAdapter1 extends
  WindowAdapter {
  public void windowClosing (
  WindowEvent we ) {
    System.exit(0);
  }
```