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18M19CS180

Lab 10

classmate

Date _____

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```
import java.awt.*;  
import java.awt.event.*;  
class Division1 extends Frame implements  
    ActionListener {
```

```
    Frame f;  
    TextField tf1;  
    TextField tf2;  
    TextField tf3;  
    Button b;  
    Dialog dl;  
    Division1() {  
        setSize(300, 300);  
        setVisible(true);  
        setLayout(null);  
        addWindowListener(new  
            WindowAdapter() {  
                public void WindowClosing(  
                    WindowEvent ew) {  
                    dispose();  
                }  
            }  
        );  
        tf1 = new TextField("Number 1");  
        tf2 = new TextField("Number 2");  
        tf2.setBounds(10, 70, 200, 30);  
        add(tf2);  
        b = new Button("=");  
        b.setBounds(10, 10, 200, 30);  
        b.addActionListener(this);
```



```
add(b)
tf3 = new TextField("Output");
add(tf3);
}

public void actionPerformed(ActionEvent e) {
    try {
        String num1 = tf1.getText();
        int n1 = Integer.parseInt(num1);
        String num2 = tf2.getText();
        int n2 = Integer.parseInt(num2);
        int result = n1 / n2;
        tf3.setText(Integer.toString(result));
    }
    catch (NumberFormatException e2) {
        d1 = new Dialog(f, "error", true);
        Label l = new Label("4 e2");
        d1.add(l);
        d1.setSize(300, 50);
        d1.setVisible(true);
    }
    catch (ArithmeticException e1) {
        d1 = new Dialog(f, "error", true);
        Label l = new Label("4 e1");
        d1.add(l);
        d1.setSize(300, 50);
        d1.setVisible(true);
    }
}
```

```
public class Labprog10 {  
    public static void main(String[] args) {  
        Division1 d = new Division1();  
    }  
}
```