

WEEK-12 (LAB PROGRAMS)

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

```
    TextField tf1, tf2;
```

```
    Label l;
```

```
    Button b;
```

```
    Main() {
```

```
        tf1 = new TextField();
```

```
        tf1.setBounds(50, 50, 200, 50);
```

```
        tf2 = new TextField();
```

```
        tf2.setBounds(50, 100, 200, 50);
```

```
        l = new Label();
```

```
        l.setBounds(50, 150, 200, 50);
```

```
        b = new Button("Divide");
```

```
        b.setBounds(50, 200, 100, 50);
```

```
        b.addActionListener(this);
```

```
        add(b);
```

```
        add(tf1);
```

```
        add(tf2);
```

```
        add(l);
```

```
        setSize(800, 800);
```

```
        setLayout(null);
```

```
        setVisible(true);
```

```
    }  
    public void actionPerformed(ActionEvent e) {
```

```
        try {
```

```
            String n1 = tf1.getText();
```

```
            String n2 = tf2.getText();
```

```
l.setText("Quotient: " + (Integer.parseInt(n1) /  
Integer.parseInt(n2)));  
} catch (NumberFormatException ze) {  
l.setText("Cannot divide non-numerical / non-  
integer values");  
} catch (ArithmeticException ze) {  
l.setText("Cannot divide by zero");  
} catch (Exception ex) {  
System.out.println(ex);  
}  
}  
  
public static void main (String[] args) {  
new Main();  
}  
}
```