

LAB-10.

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

```
public class lab extends Frame implements ActionListener {
    TextField Num1, Num2;
    Button divide = new Button("DIVIDE");
    float result = 0;
    String msg = " ";
```

```
    public lab() {
        setLayout(new FlowLayout());
        Num1 = new TextField(10);
        Num2 = new TextField(10);
        Label result = new Label("Num1: ", Label.RIGHT);
        Label msg = new Label("Num2: ", Label.RIGHT);
        add(new Label("Num1: "));
        add(Num1);
        add(new Label("Num2: "));
        add(Num2);
        add(divide);
        divide.addActionListener(this);
        addWindowListener(new WinAdapter());
    }
```

```
    public void actionPerformed(ActionEvent ae) {
        if (ae.getSource() == divide) {
            try {
                int n1 = Integer.parseInt(Num1.getText());
                int n2 = Integer.parseInt(Num2.getText());
                result = n1/n2;
            }
        }
    }
```

```

        catch (NumberFormatException exception) {
            result = 0;
            msg = "Enter integer only";
        }
        catch (ArithmeticException exception) {
            result = 0;
            msg = "Can not divide by 0";
        }
        repaint ();
    }

    public void paint (Graphics g) {
        g.drawString ("Result: " + String.valueOf (result), 20, 100);
        g.drawString ("Exception: " + msg, 20, 150);
    }

    public static void main (String [] args) {
        lab p = new lab ();
        p.setSize (new Dimension (350, 300));
        p.setTitle ("Divide");
        p.setVisible (true);
    }

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

```