Week 12

lab program 10.

```java
import java.util.*;
import java.long.String;
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
public class Division extends Frame implements
    ActionListener
{
    TextField n1, n2, res;
    Label l1, l2, lres;
    Button b;
    public Division()
    {
        setLayout(new FlowLayout());
        Lable l1 = new Label("NUM1", Label.RIGHT);
        Lable l2 = new Label("NUM 2", Label.RIGHT);
        Lable lres = new Label("RESULT", Label.RIGHT);
        n1 = new TextField(12);
        n2 = new TextField(8);
        res = new TextField(10);
        b = new Button("DIVIDE");
```

```java
            add (l1);
            add (n1);
            add (l2);
            add (n2);
            add (b);
            add (l res);
            add (res);
            b . addActionListener (this);
        addWindowListner (new  MyWindowAdapter ());
    }
    public  void  actionPerformed (ActionEvent ae)
    {
        if (ae. getSource() == b)
        {
            try {
                int num1 = Integer. parseInt (n1. getText ());
                int num2 = Integer. parseInt (n2. getText ());
                int num3 = num1/num2;
                res. setText (String. ValueOff (num3));
            }
            catch (NumberFormatException ne).
            {
                JOptionPane. showMessageDialog (this, ne, "ERROR",
                            JOptionPane. ERROR_MESSAGE);
            }
```

```java
catch (ArithmeticException a)
{
    JOptionPane.showMessageDialog(this, a, "ERROR",
                    JOptionPane.ERROR_MESSAGE);
}
}
}

public static void main (String args[])
{
    Division i = new Division();
    i.setSize (new Dimension(400, 400));
    i.setTitle ("INTEGER DIVISION OF TWO
                        NUMBERS");
    i.setVisible(true);
}

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