Week - 12

Lab Program - 10

```java
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
public class integerdivision extends Frame
implements ActionListener {
    TextField n1, n2, res;
    Label ln1, ln2, lres;

    Button b;
    public integerdivision () {
        setLayout (new FlowLayout ());
    Label ln1 = new Label ("NUMBER 1", Label.RIGHT);

    Label ln2 = new Label ("NUMBER 2", Label.RIGHT);

    Label lres = new Label (" RESULT", Label.RIGHT);

    n1 = new TextField (12);

    n2 = new TextField (8);

    res = new TextField (10);

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

```java
        add (ln1);
        add (n1);
        add (ln2);
        add (n2);
        add (b);
        add (lres);
        add (res);
        b. addActionListener (this);
    addWindowListener (new WindowAdapter1());
}

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. valueOf (num 3));
    }
```

```java
        catch (NumberFormatException ne){

        JOptionPane.showMessageDialog (this , ne, "ERROR",
JOptionPane. ERROR_MESSAGE );

        }

      catch (ArithmeticException a){

        JOptionPane.showMessageDialog ( this, a, "ERROR",
JOptionPane ERROR_MESSAGE);

      }

    }

    public static void main (String args[])
    {
        integerdivision i = new integerdivision ();

        i.setSize( new Dimension (400, 400));

        i.setTitle ("INTEGER DIVISION OF TWO NUMBERS");

        i.setVisible (true);

    }

    class WindowAdapter1 extends WindowAdapter {

    public void windowclosing (WindowEvent We)
        {
        System.exit (0);
}}}
```