LAB PROG - 10

```java
import 'java.awt.*';
import java.awt.event.*';
import 'javax.swing.*';
public class lab10 extends Frame implements ActionListener
{
TextField n1, n2, res';
Label ln1, ln2, lres';
Button b';
public lab10()
{
set layout ( new flowlayout (1)';
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(12)';
Button b = new Button("DIVIDE")';
add(ln1)';
add($ n1)';
add (ln2)';
add (n2)';
add (b)';
add (lres)';
add (res)';
b. add Action Listener (this)';
addWindowListener (new WindowAdapter1())';
}

public void actionPerformed (ActionEvent ae)
{

if (ae.getSource()==b)
{

try
{
```

```java
int num1 = Integer.parseInt (n1.getText ());
int num2 = Integer.parseInt (n2.getText ());
int num3 = num1/num2;
res.setText (String.valueOf (num3));
}

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[])
{
lablo i = new lablo();
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);
}
}
}
```

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


public class Lab10 extends Frame implements ActionListener
{
TextField n1,n2,res;
Label ln1,ln2,ires;
Button b;
public Lab10()
{
setLayout(new FlowLayout(1));
Label ln1=new Label("Number 1",Label.RIGHT);
Label ln2=new Label("Number 2",Label.RIGHT);
Label ires=new Label("RESULT",Label.RIGHT);
n1=new TextField(12);
n2=new TextField(8);
res=new TextField(12);
Button b=new Button("DIVIDE");
add(ln1);
add(n1);
add(ln2);
add(n2);
add(b);
add(ires);
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(num3));
}
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[])
{
Lab10 i=new Lab10();
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);
}
}
}
```

INTEGER DIVISION OF TWO NUMBERS

Number 1   45   Number 2   5

DIVIDE   RESULT   9