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IBM19CS061

1) Divide two no. and print Result.

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

class lab10 extends Frame implements ActionListu
{
    Textfield Num1, Num2;
    Button divide = new Button (" Divide");

    float res = 0;
    String erron = "";

    public lab10(){
        setLayout( new flowLayout());
        Num1 = new Textfield (1);
        Num2 = new Textfield (1);
        Label Num1L = new Label (" Num1 : ",
                                  Label. RIGHT);

        Label Num2L = new Label (" Num2: ",
                                  Label.RIGHT);

        add(NUM14); add( Num1L);
        add(NUM1); add( Num1);
        add ( Num2L);
        add(Num2);
        add( divide);
        divide. add ActionListener ( this);
        addWindowListener ( new WinAdapta());
    }
}
```

```java
public void actionPerformed (ActionEvent ae){
    if (ae.getSource() == divide){
        try {
            int n1 = Integer.parseInt(Num1.getText());
            int n2 = Integer.parseInt(Num2.getText());
            if (n2 <= 0)
                throw new ArithmeticException("Ema
            res = (float) n1/n2;
        }
        catch( NumberFormatException exception){
            res = 0;
            error = "Please enter an integer!!";
        }
        catch (ArithmeticException exception){
            res = 0;
            error = "Can not divide by zero!!";
        }
        repaint();
    }
}
public void paint(Graphics g){
    g.drawString("Result "+ String.valueOf(res), 20,100);
    g.drawString("Error: " + error, 20, 150);
}
```

```java
public static void main (String[] args){
    lab10 p = new lab10();
    p.setSize( new Dimension(400, 250));
    p.setTitle(" Divide");
    p.setVisible( true);

}

}

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

}
```