Write a program that creates a user interface to perform integer divisions. The user enters two numbers in the text fields, num1 and num2. The division of num1 and num2 is displayed in the result field when the divid button is clicked. If num1 or num2 were not in integer, the program should throw a numberFormatException. If num2 were zero, the Program would throw an ArithmeticException display the exception in a message dialog box

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

Public class DivisionMain extends Frame implements ActionListener{
    TextField num1, num2;
    Button dResult;
    Label outResult;
    String out = "";
    double resultNum;
    int flag = 0;
    Public DivisionMain() {
        setLayout(new FlowLayout());
        dResult = new Button("RESULT");
        Label number1 = new Label("Number1", Label.RIGHT);
        Label number2 = new Label("Number2", Label.RIGHT);
        num1 = new TextField(5);
        num2 = new TextField(5);
        outResult = new Label("Result:", Label.RIGHT);
        add(number1);
        add(num1);
        add(number2);
        add(num2);
        add(dResult);
        add(outResult);
    num1.addActionListener(this);
    num2.addActionListener(this);
    dResult.addActionListener(this);
```

```
window Adapter()
{ public void window(closing(WindowEvent w,)
  {
    System.exit(0);
  }
});
}
Public void actionPerformed(ActionEvent ae)
  {
    int n1, n2;
    try{
       if(ae.getSource() == dResult)
       {
         n1 = Integer.ParseInt(num1.getText());
         n2 = Integer.ParseInt(num2.getText());
         out = n1 + "  " + n2 + "  ";
          resultNum = n1/n2;
          out += String.valueOf(result num);
          repaint();
       }
    }
  catch(NumberFormatException e1)
    {
      flag=1;
      out= "Number format Exception!" +e1;
      repaint();
    }
  catch(ArithmeticException e2)
    {
      flag = 1;
       out = "Divide by 0 Exception!" +e2;
       repaint();
    }
    Public void paint(Graphics g)
    {
      if(flag==0)
      g.drawString(out, outResult.getX() + out Result.get
          -width(), outResult.getY()+outResult.getHeight
```

```
else
g.drawString(ad,100,200);
flag=0;
}
```

output