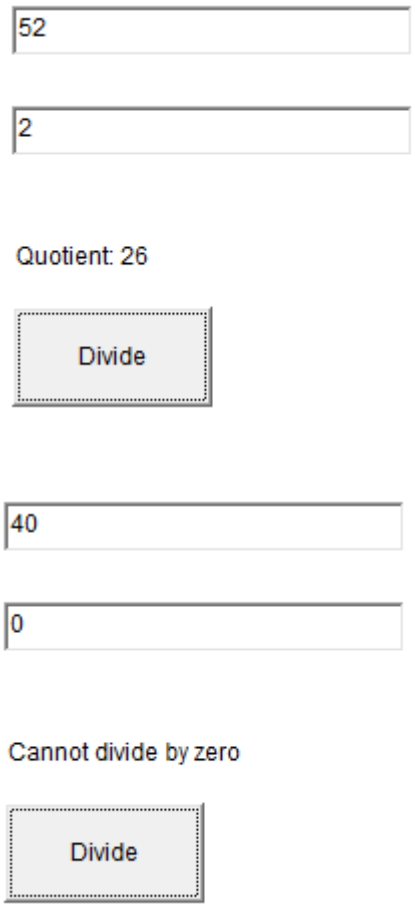
10.Write a program that creates a user interface to perform integer divisions. The user enters two numbers in the text fields, Num1 and Num2. The division of Num1 and Num2 is displayed in the Result field when the Divide button is clicked. If Num1 or Num2 were not an integer, the program would throw a NumberFormatException. If Num2 were Zero, the program would throw an Arithmetic Exception Display the exception in a message dialog box.

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

public class Main extends Frame implements ActionListener {
 TextField tf1,tf2;
 Label l;
 Button b;

 Main() {
   tf1 = new TextField();
   tf1.setBounds(50, 50, 200, 25);

   tf2 = new TextField();
   tf2.setBounds(50, 100, 200, 25);

   l = new Label();
   l.setBounds(50, 150, 200, 50);

   b = new Button("Divide");
   b.setBounds(50, 200, 100, 50);
   b.addActionListener(this);

   add(b);
   add(tf1);
   add(tf2);
   add(l);
   setSize(800,800);

   setLayout(null);
   setVisible(true);
  }

  public void actionPerformed(ActionEvent e) {
   try {
    String n1 = tf1.getText();
    String n2 = tf2.getText();
    l.setText("Quotient: " + (Integer.parseInt(n1) / Integer.parseInt(n2)));
    }
```

```
    catch(NumberFormatException ze) {
      l.setText("Cannot divide non-numerical / non-integer values");
    }
    catch(ArithmeticException ze) {
      l.setText("Cannot divide by zero");
    }
    catch(Exception ex) {
      System.out.println(ex);
    }
  }
  public static void main(String[] args) {
    new Main();
  }
}
```

Output:



a

b

Cannot divide non-numerical / non-ir

Divide