Lab10:

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 are not integer, the program would throw a NumberFormatException. If Num2 were 0, the program would throw an arithmetic Exception

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

public class Lab10 extends Frame implement
 ActionListener {
   TextField num1, num2;
   Label l;
   Button n;

 .lab10 () {
      num1 = new Textfield();
     num1.setBounds(50,50,200,25);

      num2 = new Textfield();
     num2.setBounds(50,100,200,25);
```

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

add(n);
add(num1);
add(num2);
add(l);
setSize(800,800);
SetLayout(null);
setVisible(true);
}
public void actionPerformed(ActionEvent e){
  try{
     string n1 = num1.getText();
     string n2 = num2.getText();
    l.setText("Quotient :" (Integer.parseInt(n1)
/Integer.parseInt(n2)));
  } catch(NumberFormatException 2e){
  l.setText("Cannot divide non-integer value");
} catch(ArithmeticException 2e){
   l.setText("cannot divide");
}catch(Exception ex){
        System.out.println(ex);
    }
}
```

```
public static void main (String[] args)
{
        new lab10();
}
}
```