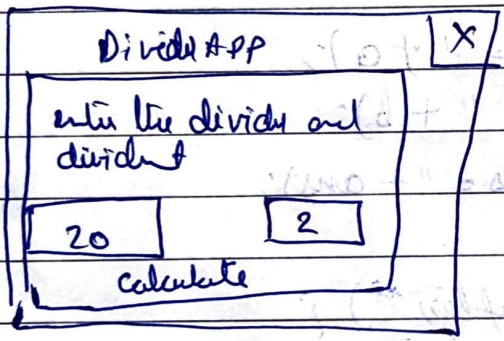
Program 9
Divider APP

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

class SwingDemo {

JFrame jfrm = new JFrame ("Divider App");
 jfrm.setSize(275, 150);
 jfrm.setDefaultLayout (new FlowLayout());
 jfrm.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
 JLabel jlab = new JLabel ("enter the divide and
                            divident:");

 JTextField ajtf = new JTextField(8);
 JTextField bjtf = new JTextField(8);

JButton button = new JButton ("calculate");

 JLabel err = new JLabel();
JLabel alab = new JLabel();
JLabel blab = new JLabel();
JLabel anslab = new JLabel();

jfrm.add(err);
jfrm.add(jlab);
jfrm.add(ajtf);
jfrm.add(bjtf);
jfrm.add(button);
jfrm.add(alab);
jfrm.add(blab);
jfrm.add(anslab);
```

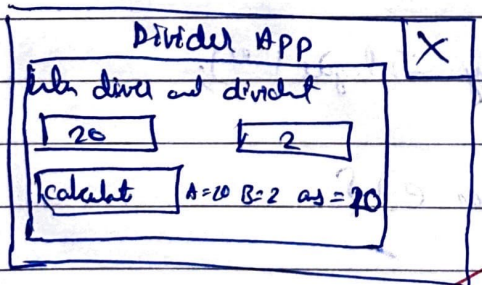
```
ActionListener l = new ActionListener(){
public void actionPerformed(ActionEvent evt){
  System.out.println("action event from a text field");
  }
};
ajtf.addActionListener(l);
bjtf.addActionListener(l);
button.addActionListener(new ActionListener(){
  public void actionPerformed(ActionEvent evt){
    try{
      int a = Integer.parseInt(ajtf.getText());
      int b = Integer.parseInt(bjtf.getText());
      int ans = a/b;
    alab.setText("\nA=" +a);
    blab.setText("\nB=" +b);
    anslab.setText("\nAns=" +ans);
  }
  catch(NumberFormatException e){
      alab.setText("");
      blab.setText("");
    anslab.setText("");
    res.setText("Enter only Integers!");
  }
  catch(ArithmeticException e){
      alab.setText("");
      blab.setText("");
    anslab.setText("");
    res.setText("B should be Non zero!");
  }
}
});
```

```
    f.frm.setVisible(true);
}
public static void main(String args[]){

SwingUtilities.invokeLater(new Runnable(){
    public void run(){
        new SwingDemo();
    }
});
}}
```

Output



After click



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