Lab Program 10:

```
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
class SwingDemo {
SwingDemo(){
JFrame jfrm= new JFrame ("Divider App");
jfrm.setSize(275,150);
jfrm.setLayout(new FlowLayout());
jfrm.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
JLabel jlab = new JLabel("Enter the divider & dividend");
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("\n A = "+a);
blab.setText("\n B = "+b);
anslab.setText("\nAns = "+ans);
}
catch(NumberFormatException e){
alab.setText("");
blab.setText("");
anslab.setText("");
ese.setText("Enter Only Integers!");
}
catch(ArithmeticException e){
alab.setText("");
blab.setText("");
Anslab.setText("");
ese.setText("B should be now zero!");
}}});
jfrm.setVisible(true); }
public static void main(String args[]){
SwingUtilities.invokeLater(new Runnable(){
public void run(){
new SwingDemo();
}});
}}
```