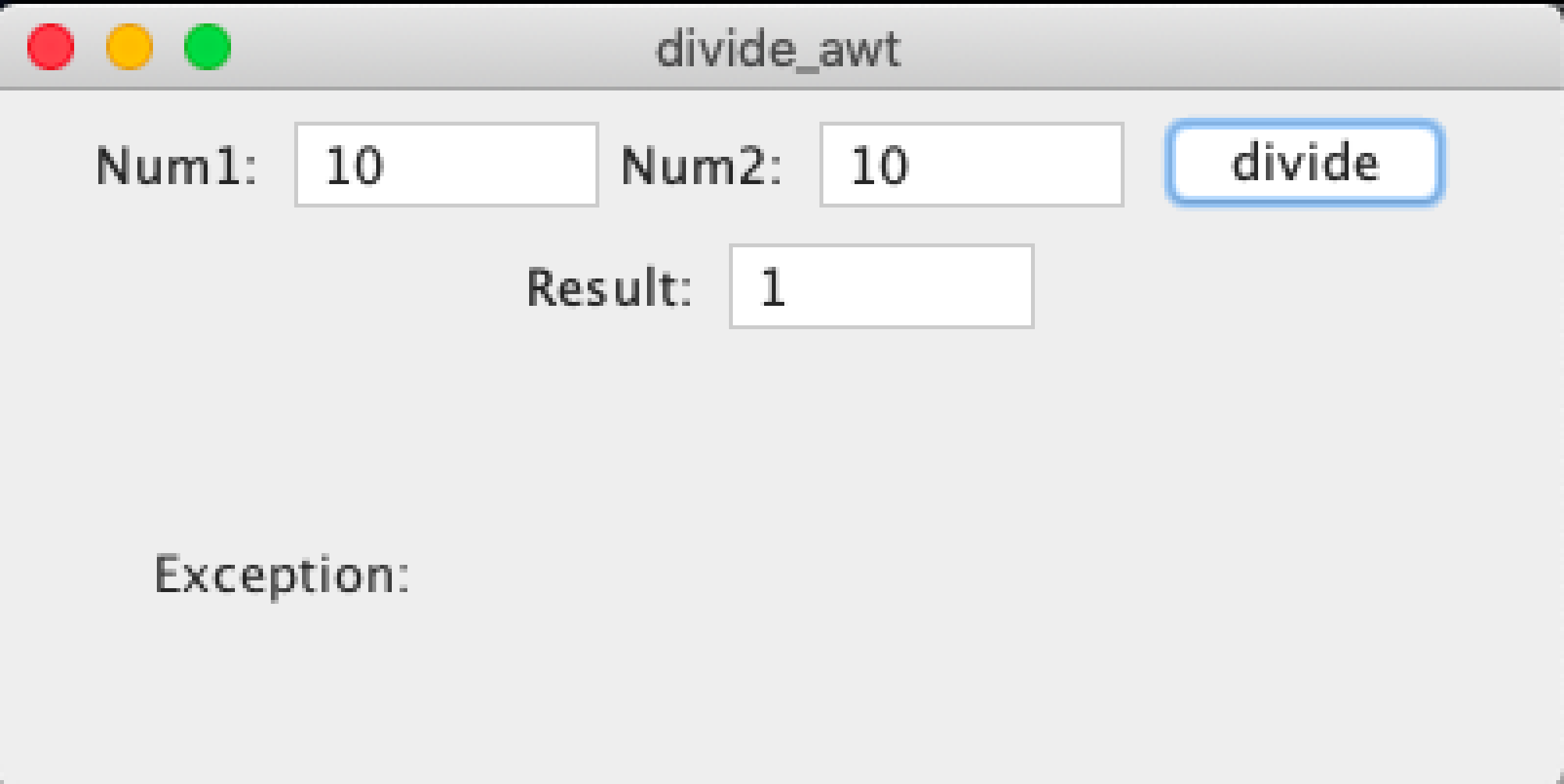
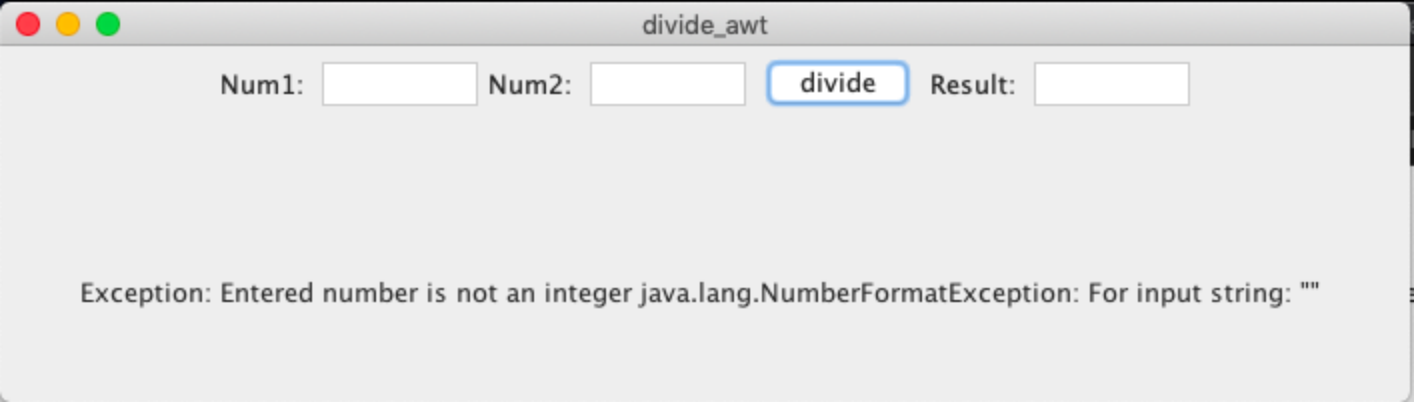
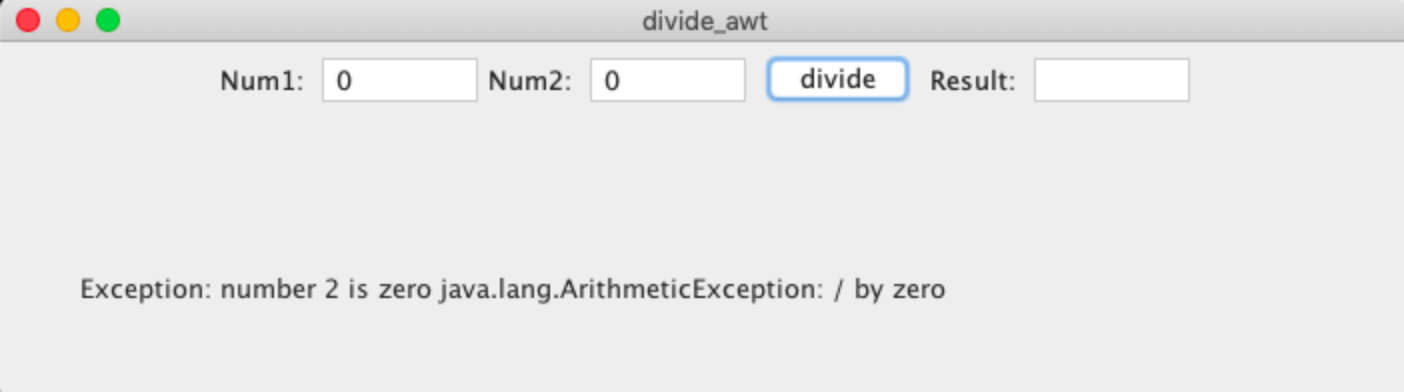

divide_awt
Num1:
10
Num2:
10
divide
Result:
1
Exception:


divide_awt
Num1:
Num2:
divide
Result:
Exception: Entered number is not an integer java.lang.NumberFormatException: For input string: ""


divide_awt
Num1:
0
Num2:
0
divide
Result:
Exception: number 2 is zero java.lang.ArithmeticException: / by zero

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


public class lab12 extends Frame implements ActionListener
{
   TextField num1,num2,result;

   String msg="",msg1="";
   Button divide;
   public lab12()
   {
      setLayout(new FlowLayout());
      Label nnum1=new Label("Num1: ",Label.RIGHT);
      Label nnum2=new Label("Num2: ",Label.RIGHT);
      Label rresult=new Label("Result: ",Label.RIGHT);
      Button b=new Button("divide");

      num1=new TextField(8);
      num2=new TextField(8);
      result=new TextField(8);


      add(nnum1);
      add(num1);
      add(nnum2);
      add(num2);
      divide=(Button)add(b);
      add(rresult);
      add(result);


      num1.addActionListener(this);
      num2.addActionListener(this);
      divide.addActionListener(this);

      addWindowListener(new WindowAdapter()
      {
         public void windowClosing(WindowEvent we)
         {
            System.exit(0);
         }
      });
   }
```

```
public void actionPerformed(ActionEvent ae)
{

   if(ae.getSource()==divide)

      {

         try
            {
            msg=""+Integer.parseInt(num1.getText())/Integer.parseInt(num2.getText());
            String c=""+msg;
            result.setText(c);
            msg1="";
            }catch(NumberFormatException e)
            {
            msg1="Entered number is not an integer "+e;

            }
            catch(ArithmeticException e)
            {
             msg1="number 2 is zero "+e;

            }



         repaint();
      }



}
public void paint(Graphics g)
{
   g.drawString("Exception: "+ msg1,40,150);
}
public static void main(String[] args)
{
   lab12 aa=new lab12();
   aa.setSize(new Dimension(400,200));
   aa.setTitle("divide_awt");
   aa.setVisible(true);

}
}
```