WEEK13

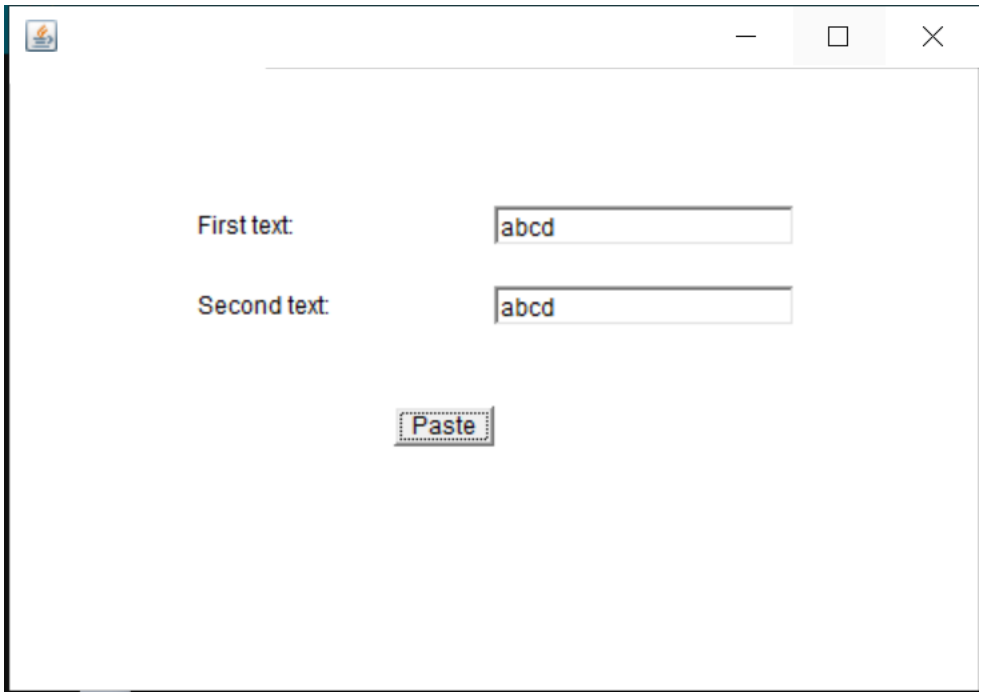
Q1

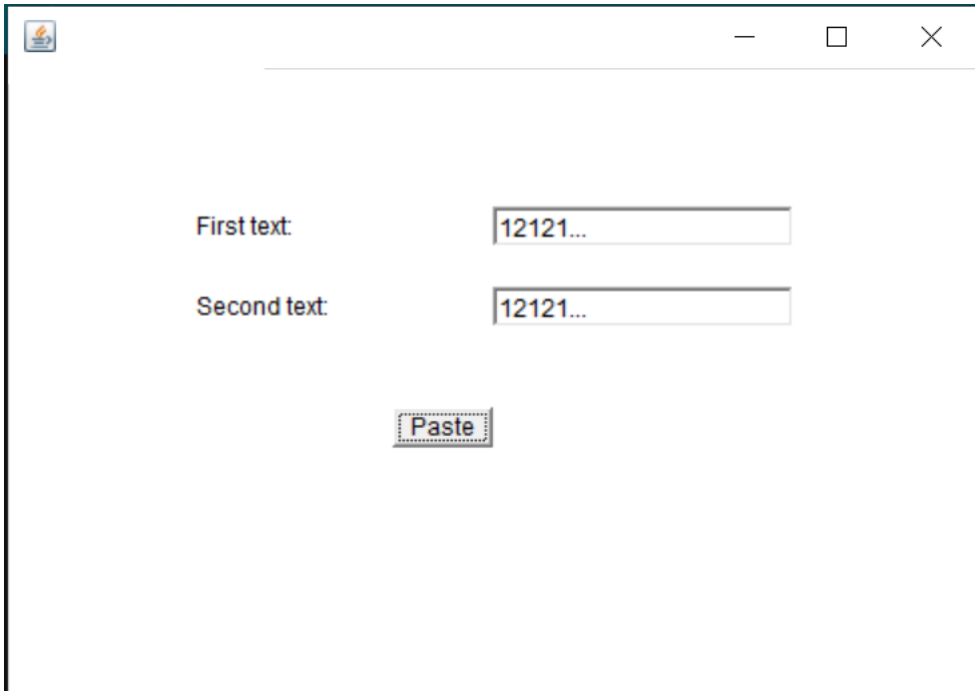
CODE:(PASTE)

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

public class paste implements ActionListener
{

        Frame f=new Frame();
        Label l1=new Label("First text:");
      Label l2=new Label("Second text:");



        TextField t1=new TextField();
        TextField t2=new TextField();



        Button b1=new Button("Paste");


        paste()
        {

                l1.setBounds(100,100,100,20);
                l2.setBounds(100,140,100,20);

                t1.setBounds(250,100,150,20);
                t2.setBounds(250,140,150,20);



                b1.setBounds(200,200,50,20);


                f.add(l1);
```

```
            f.add(l2);


            f.add(t1);
            f.add(t2);



            f.add(b1);


            b1.addActionListener(this);


            f.setLayout(null);
            f.setVisible(true);
            f.setSize(500,350);
        }

        public void actionPerformed(ActionEvent e)
        {

           String s1=t1.getText();
           t2.setText(s1);


        }

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

OUTPUT:





Q2(CALCULATOR)

CODE:

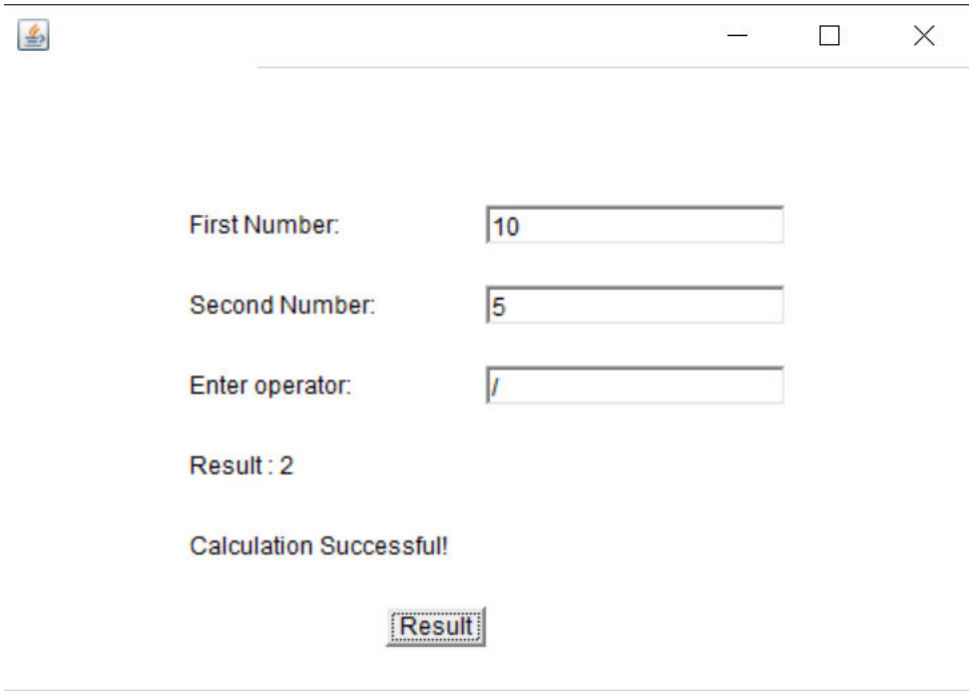
import java.awt.*;

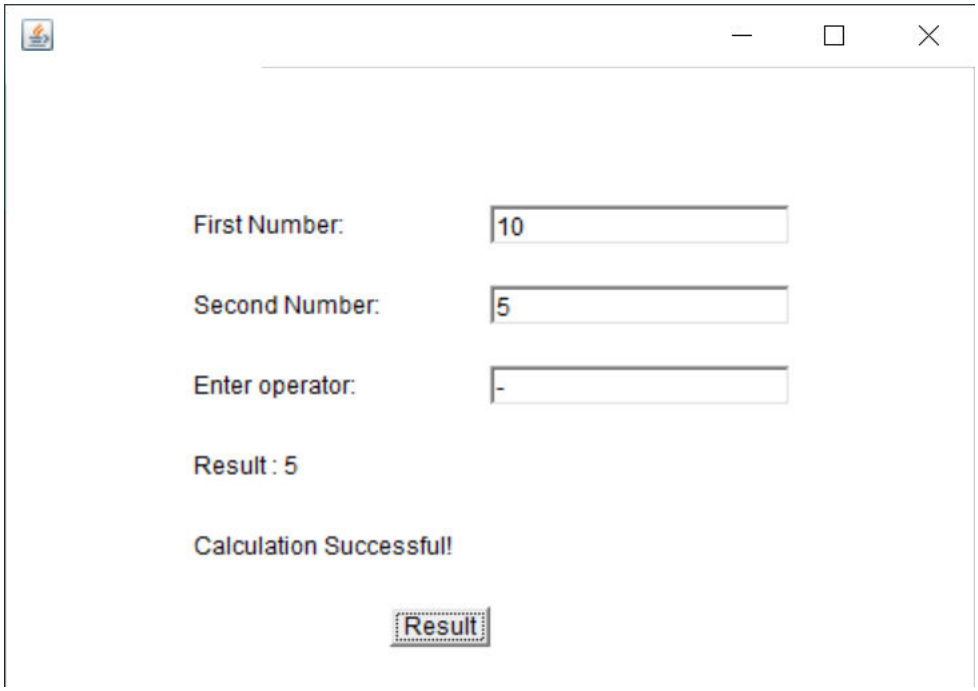
```
import java.awt.event.*;

public class calc implements ActionListener
{

        Frame f=new Frame();
        Label l1=new Label("First Number:");
      Label l2=new Label("Second Number:");
      Label l3=new Label("Enter operator:");
      Label l4=new Label();
      Label l5=new Label();



        TextField t1=new TextField();
        TextField t2=new TextField();
      TextField t3=new TextField();



        Button b1=new Button("Result");


        calc()
        {

                l1.setBounds(100,100,100,20);
                l2.setBounds(100,140,100,20);
           l3.setBounds(100,180,100,20);
           l4.setBounds(100,220,300,20);
           l5.setBounds(100,260,300,20);


                t1.setBounds(250,100,150,20);
           t2.setBounds(250,140,150,20);
           t3.setBounds(250,180,150,20);



                b1.setBounds(200,300,50,20);


                f.add(l1);
```

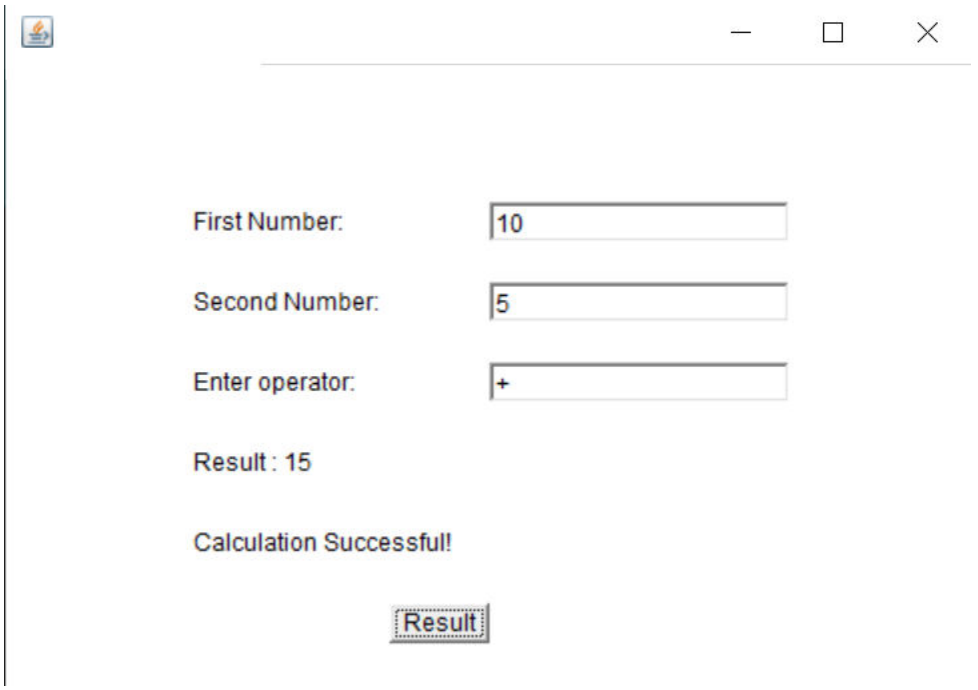
```
        f.add(l2);
    f.add(l3);
    f.add(l4);
    f.add(l5);


        f.add(t1);
    f.add(t2);
    f.add(t3);



        f.add(b1);


        b1.addActionListener(this);


        f.setLayout(null);
        f.setVisible(true);
        f.setSize(500,350);
}

public void actionPerformed(ActionEvent e)
{

    try {
        int n1=Integer.parseInt(t1.getText());
        int n2=Integer.parseInt(t2.getText());
        String s=t3.getText();
        char c=s.charAt(0);

        switch(c)
        {
            case'+':
            l4.setText("Result : "+String.valueOf(n1+n2));
            l5.setText("Calculation Successful!");
            break;
            case'-':
            l4.setText("Result : "+String.valueOf(n1-n2));
            l5.setText("Calculation Successful!");
            break;
            case'*':
```

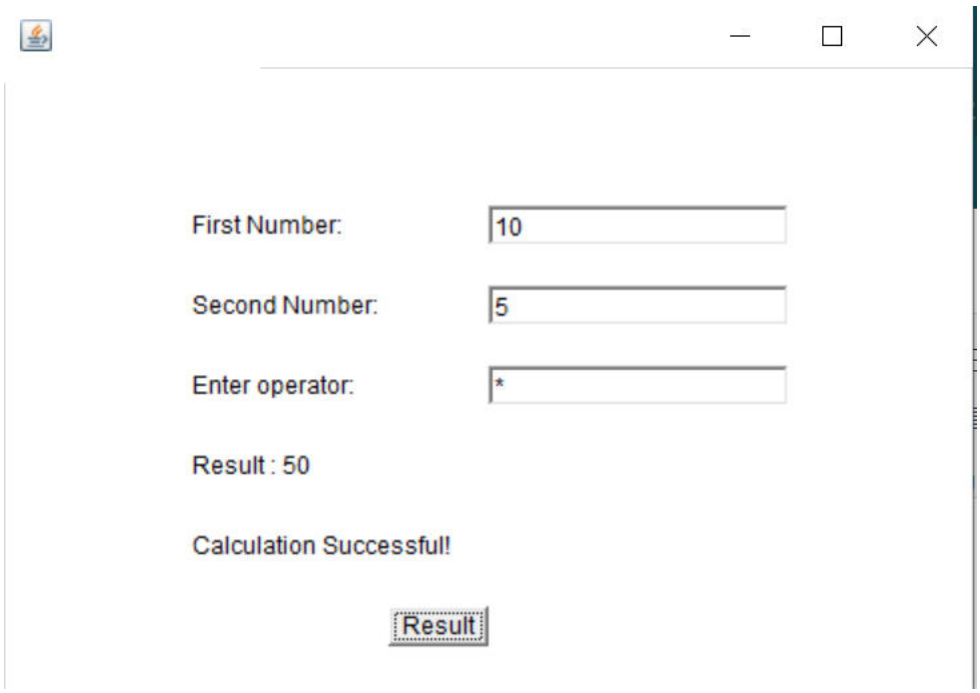
```
                    l4.setText("Result : "+String.valueOf(n1*n2));
                    l5.setText("Calculation Successful!");
                    break;
                    case'/':
                    l4.setText("Result : "+String.valueOf(n1/n2));
                    l5.setText("Calculation Successful!");
                    break;
                    case'%':
                    l4.setText("Result : "+String.valueOf(n1%n2));
                    l5.setText("Calculation Successful!");
                    break;
                    default:
                    l4.setText("Result: Error");
                    l5.setText("Invalid operator: "+t3.getText());
                }


            } catch (Exception ex) {
                l5.setText(String.valueOf(ex));
                l4.setText("Result : Error");
            }
        }

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

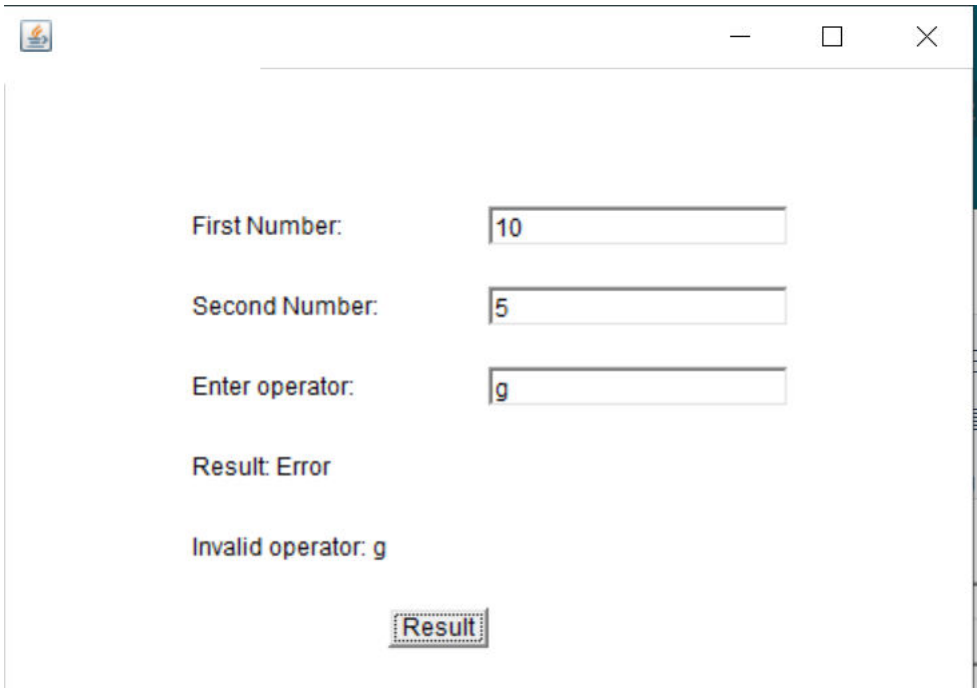
OUTPUT:

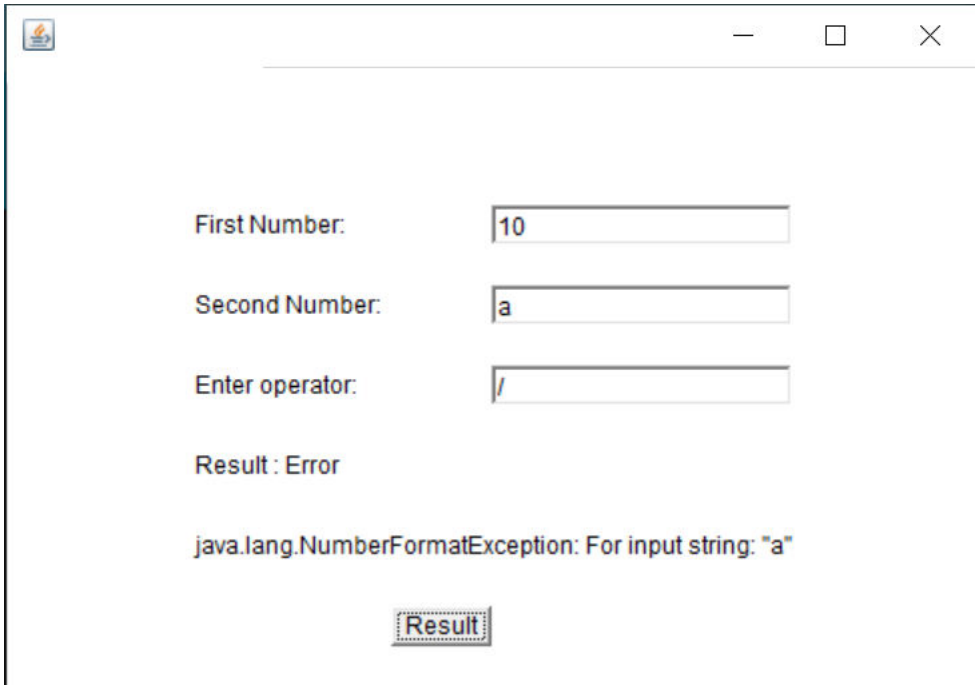

First Number:
10
Second Number:
5
Enter operator:
/
Result : 2
Calculation Successful!
Result


First Number:
10
Second Number:
5
Enter operator:
-
Result : 5
Calculation Successful!
Result


First Number:
10
Second Number:
5
Enter operator:
+
Result : 15
Calculation Successful!
Result


First Number:
10
Second Number:
5
Enter operator:
*
Result : 50
Calculation Successful!
Result


First Number:
10
Second Number:
5
Enter operator:
g
Result: Error
Invalid operator: g
Result


First Number:
10
Second Number:
a
Enter operator:
/
Result : Error
java.lang.NumberFormatException: For input string: "a"
Result