

Source Code:

```
import java.awt.BorderLayout;
import java.awt.GridLayout;

import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;

import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JPanel;
import javax.swing.JTextField;

public class ReportCards extends JFrame{

    JPanel jp = new JPanel();
    JLabel lname = new JLabel();
    JButton bsubmit = new JButton("Submit");
    JTextField tname = new JTextField(20);
    JLabel lMath = new JLabel();
    JTextField tMath = new JTextField(20);
    JLabel lScience = new JLabel();
    JTextField tScience = new JTextField(20);
    JLabel lEnglish = new JLabel();
    JTextField tEnglish = new JTextField(20);

    public ReportCards()
    {
        lname.setText("Enter Name");
        jp.add(lname);
        jp.add(tname);
        lMath.setText("Enter Math Marks");
        jp.add(lMath);
        jp.add(tMath);
        lScience.setText("Enter Science Marks");
        jp.add(lScience);
        jp.add(tScience);
        lEnglish.setText("Enter English Marks");
        jp.add(lEnglish);
        jp.add(tEnglish);
        jp.add(bsubmit);
        add(jp);

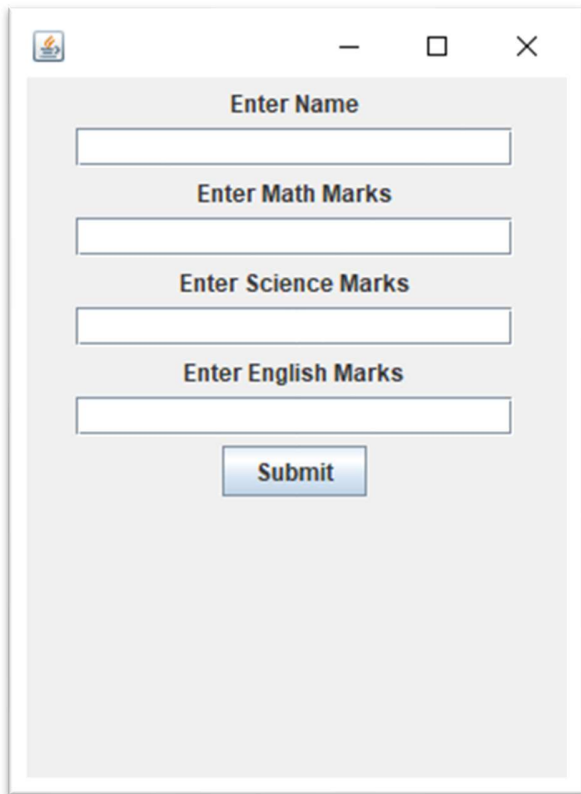
        bsubmit.addActionListener (new ActionListener (){
            public void actionPerformed(ActionEvent arg0) {
                String val=tname.getText();
                JLabel l1 = new JLabel( "Welcome "+val);
                int sub1 = Integer.parseInt(tMath.getText());
                int sub2 = Integer.parseInt(tScience.getText());
                int sub3 = Integer.parseInt(tEnglish.getText());
                int sum = sub1+sub2+sub3;
                float average = sum/3;
                JLabel l2 = new JLabel("Average "+ average);
```

```
        JPanel jip = new JPanel();
        jip.add(l1);
        jip.add(l2);

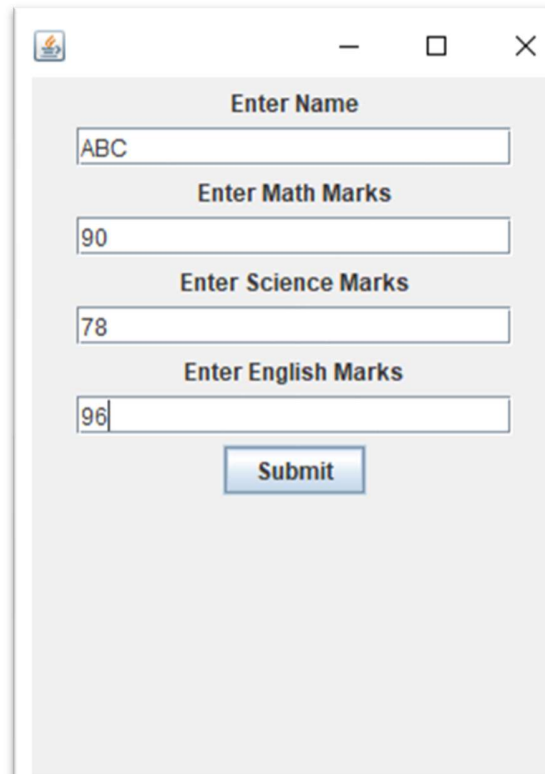
        JFrame inf = new JFrame();
        inf.setVisible(true);
        inf.add(jip);
        inf.setSize(300, 200);
    }
});
}

public static void main(String[] args)
{
    ReportCards rc = new ReportCards();
    rc.setSize(300, 400);
    rc.setVisible(true);
}
}
```

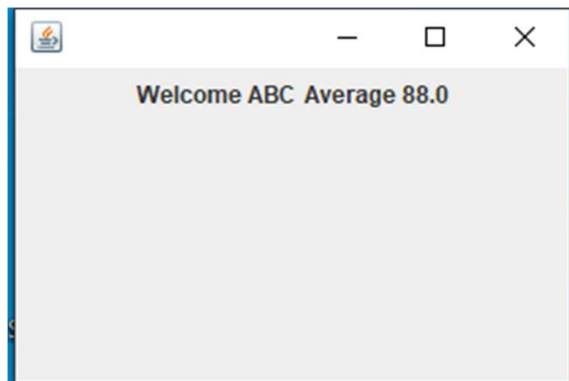
Output:



A Java Swing window with a title bar containing a small icon and standard window controls (minimize, maximize, close). The window has a light gray background. Inside, there are four text input fields stacked vertically, each preceded by a label: "Enter Name", "Enter Math Marks", "Enter Science Marks", and "Enter English Marks". At the bottom, there is a blue "Submit" button.



The same Java Swing window as before, but now the input fields contain text: "ABC" in the Name field, "90" in the Math Marks field, "78" in the Science Marks field, and "96" in the English Marks field. The "Submit" button remains at the bottom.



A Java Swing window with a title bar and a light gray background. It displays the text "Welcome ABC Average 88.0" in a black font, centered at the top of the window.