Example 14.11   CardLayout Demo

```
/*L1*/      import java.awt.*;
/*L2*/      import java.awt.event.*;
/*L3*/      public class CardDemo extends Frame implements ActionListener {
/*L4*/      Panel cardPanel;
/*L5*/      Panel p1, p2, p3;
/*L6*/      Panel buttonP;
/*L7*/      Button B1,B2,B3;
/*L8*/      CardLayout cLayout;
/*L9*/      public void cardDemo(){
/*L10*/         cardPanel = new Panel();
/*L11*/     cLayout = new CardLayout();
/*L12*/     cardPanel.setLayout(cLayout);
/*L13*/     p1 = new Panel();
/*L14*/     p1.setBackground(Color.red);
/*L15*/     p2 = new Panel();
/*L16*/     p2.setBackground(Color.yellow);
/*L17*/     p3 = new Panel();
/*L18*/     p3.setBackground(Color.green);
/*L19*/     B1 = new Button("Red");
/*L20*/     B1.addActionListener(this);
/*L21*/     B2 = new Button("Yellow");
```

```
/*L22*/        B2.addActionListener(this);
/*L23*/        B3 = new Button("Green");
/*L24*/        B3.addActionListener(this);
/*L25*/        buttonP = new Panel();
/*L26*/        buttonP.add(B1);
/*L27*/        buttonP.add(B2);
/*L28*/        buttonP.add(B3);
/*L29*/        cardPanel.add(p1, "B1");
/*L30*/        cardPanel.add(p2, "B2");
/*L31*/        cardPanel.add(p3, "B3");
/*L32*/            setLayout(new BorderLayout());
/*L33*/            add(buttonP, BorderLayout.SOUTH);
/*L34*/        add(cardPanel, BorderLayout.CENTER);
/*L35*/            setVisible(true);
/*L36*/        setSize(300,200);
/*L37*/            setTitle("DemoCard");
/*L38*/            addWindowListener(new WindowAdapter(){
               public void windowClosing(WindowEvent we){
               System.exit(0);
               }});
               }
/*L39*/        public void actionPerformed(ActionEvent e){
/*L40*/        if (e.getSource() == B1)
/*L41*/            cLayout.show(cardPanel, "B1");
/*L42*/        if (e.getSource() == B2)
/*L43*/            cLayout.show(cardPanel, "B2");
/*L44*/        if (e.getSource() == B3)
/*L45*/            cLayout.show(cardPanel, "B3");
               }
/*L46*/        public static void main(String a[]){
/*L47*/            CardDemo demo = new CardDemo();
/*L48*/            demo.cardDemo();
               }    }
```
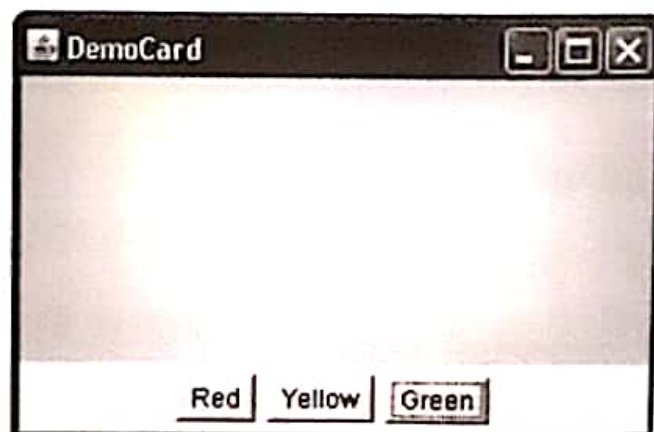
The output is as follows:

Figure 14.11 CardLayout