

```

1  import java.awt.*;
2  import java.awt.event.*;
3
4  public class test extends Frame{
5      MyPanel panel;
6
7      public test(){
8          setSize(500, 500);
9          setTitle("My First Frame");
10         addWindowListener(new WindowAdapter(){
11             public void windowClosing(WindowEvent we){
12                 System.exit(0);
13             }
14         });
15         panel = new MyPanel();
16         add(panel, BorderLayout.CENTER);
17         setVisible(true);
18     }
19     public class MyPanel extends Panel implements ActionListener{
20         Button button;
21         int x = 50;
22         int ballWidth = 100;
23         int panelWidth;
24
25         public MyPanel(){
26             setLayout(new BorderLayout());
27             button = new Button("Click Me");
28             add(button, BorderLayout.NORTH);
29             button.addActionListener(this);
30         }
31
32         public void actionPerformed(ActionEvent ae){
33             x += 4;
34             x -= 4;
35             panelWidth = getSize().width;
36             if(x + ballWidth > panelWidth){
37                 x -= 4;
38             }else{
39                 if(x + ballWidth < panelWidth)
40                     x += -4;
41             }
42             repaint();
43         }
44     }
45
46     public void paint(Graphics g){
47         g.drawOval(x, 50, ballWidth, 100);
48     }
49
50 }
51 public static void main(String[] args){
52     FrameTemplate ft = new FrameTemplate();
53 }
54 }

```