

```

1  /*
2  Program Name   : Card Layout Example 3 with Horizontal and Vertical Gaps
3  and first and last method
4  Date    : 27/Sept/2023
5
6  */
7
8  import java.awt.*;
9  import javax.swing.*;
10 import java.awt.event.*;
11
12 public class CardLayoutExample3 extends JFrame implements ActionListener
13 {
14     CardLayout crd;
15     JButton b1,b2,b3,b4;
16     Container cpane;
17
18     CardLayoutExample3()
19     {
20
21         cpane = getContentPane(); // re
22         crd= new CardLayout(50,50); // with H-Gap and V-Gap
23         cpane.setLayout(crd);
24
25         b1=new JButton("Mercedeze");
26         b2=new JButton("BMW");
27         b3=new JButton("Audi");
28         b4=new JButton("Rolls Royce");
29
30
31         b1.addActionListener(this);
32         b2.addActionListener(this);
33         b3.addActionListener(this);
34         b4.addActionListener(this);
35
36         cpane.add(b1);
37         cpane.add(b2);
38         cpane.add(b3);
39         cpane.add(b4);
40
41         setTitle("Card Layout Example 2 with H-Gap and V-Gap");
42         setSize(400,400);
43         setVisible(true);
44     }
45
46     public void actionPerformed(ActionEvent e)
47     {
48         //crd.next(cpane);
49         //crd.previous(cpane);
50         //crd.first(cpane);
51         crd.last(cpane);
52     }
53
54
55
56     public static void main(String args[])
57     {
58         CardLayoutExample3 obj = new CardLayoutExample3();
59     }
60 }
61

```