JMenu Example Java Swing

JMenu program comprises of menu bar, menus, menu items and separators etc. JMenuItem can be added with images, check boxes, combo boxes etc.

Some objects in this program are declared final and if not they cannot be accessed from inner classes.

Example on JMenu

Java

```
1    importjavax.swing.*;
2    importjava.awt.*;
3    importjava.awt.event.*;
4    importjava.util.*;// for Vector class
5    publicclassJMenuDemoextendsJFrame
6    {
7    publicJMenuDemo()
8    {
9    JMenuBar mb=newJMenuBar();
10   setJMenuBar(mb);
11   finalContainerc=getContentPane();
12   // adding menu items without icons and with icons
13   JMenu theatres=newJMenu("Cinema Halls");
14   theatres.add("Sudersan 70MM");
15   JMenuItem mi1=newJMenuItem("Imax1");
16   JMenuItem mi2=newJMenuItem("Imax2",newImageIcon("bird3.gif"));
17   theatres.add(mi1);
18   theatres.add(mi2);
19   JCheckBoxMenuItem mi3=newJCheckBoxMenuItem("Sandhya");
20   JCheckBoxMenuItem mi4=newJCheckBoxMenuItem("Odean",newImageIcon("bird2.gif"));
21   theatres.add(mi3);
22   theatres.add(mi4);
23   theatres.addSeparator();
24   JRadioButtonMenuItem mi5=newJRadioButtonMenuItem("Maheswari");
25   JRadioButtonMenuItem
26   mi6=newJRadioButtonMenuItem("Parameswari",newImageIcon("bird4.gif"));
27   theatres.add(mi5);
28   theatres.add(mi6);
29   mb.add(theatres);
30   // adding menu items with icons
31   JMenu birds=newJMenu("Birds");
32   birds.setMnemonic('B');// creating shortcut key
33   Icon bird1=newImageIcon("bird1.gif","Show the first bird");
34   finalJMenuItem mi7=newJMenuItem("First Bird",bird1);
35   mi7.setHorizontalTextPosition(SwingConstants.LEFT);// default RIGHT
36   mi7.setMnemonic(KeyEvent.VK_F);// press alt + F
37   mi7.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK_F,Event.CTRL_MASK));// without
38   dropdown list, type ctrl + F
39   birds.add(mi7);
40   mb.add(birds);
41   // adding combo box to the menu bar
42   Vector vect=newVector();
43   vect.add("Red");
44   vect.add("Green");
45   vect.add("Blue");
46   finalJComboBox cbox=newJComboBox(vect);
47   cbox.addItemListener(newItemListener()
```

```
48  {
49  publicvoiditemStateChanged(ItemEvente)
50  {
51  Stringstr=(String)cbox.getSelectedItem();
52  System.out.println(str+" is selected");
53  if(cbox.getSelectedItem().equals("Red"))
54  c.setBackground(Color.red);
55  elseif(str.equals("Green"))
56  c.setBackground(Color.green);
57  elseif(str.equals("Blue"))
58  c.setBackground(Color.blue);
59  }});
60  JMenu alphabets=newJMenu("Aplphabets");
61  alphabets.add(cbox);
62  mb.add(alphabets);
63  setSize(300,300);
64  setVisible(true);
65  }
66  publicstaticvoidmain(Stringargs[])
67  {
68  newJMenuDemo();
69  }
70  }
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```