

JFrame with Multiple JPanels Example

A JPanel is an invisible window on which they are located and arranged the elements in the window. We can insert any type of components within a panel, including other panels. This feature is essential when creating complex graphical interfaces you have to use different Layout Managers.

The usual procedure is to put a panel on first build, add components you want and then insert it into the appropriate container.

- `public JPanel ()` constructor;
- `public JPanel (LayoutManager layout)` Creates a new JPanel with the given design that is passed;
- `public Component add (Component comp)` is the method used to Add components to the panel. Returns the same component that is passed;
- `public setLayout (Layout Manager l)`: sets the given layout manager;
- `public void remove (Component c)` removes the component

```
import javax.swing.*.*;
import java.awt.*.*;
public class MultiplePanelsJavaExample extends JFrame
{
    private JButton BtnOne = new JButton("One");
    private JButton BtnTwo = new JButton("Two");
    private JButton BtnThree = new JButton("Three");
    private JButton BtnFour = new JButton("Four");
    private JButton BtnFive = new JButton("Five");
    private JButton BtnSix = new JButton("Six");
    private JButton BtnSvn = new JButton("Seven");
    private JButton BtnEight = new JButton("Eight");
    private JButton BtnNine = new JButton("Nine");
    private JButton BtnTen = new JButton("Ten");
    private JButton BtnElvn = new JButton("Eleven");
    private JButton BtnTwlv = new JButton("Twelve");
    private JPanel PnlOne = new JPanel(new GridLayout(2, 0));
    private JPanel PnlTwo = new JPanel(new FlowLayout());
    private JPanel PnlThree = new JPanel(new FlowLayout());
    private JPanel PnlFour = new JPanel(new GridLayout(2, 0));
    public MultiplePanelsJavaExample()
    {
        setLayout(new BorderLayout());
        add(PnlOne, BorderLayout.WEST);
        add(PnlTwo, BorderLayout.CENTER);
        add(PnlThree, BorderLayout.SOUTH);
        add(PnlFour, BorderLayout.EAST);
        PnlOne.add(BtnOne);
        PnlOne.add(BtnTwo);
        PnlOne.add(BtnThree);
        PnlTwo.add(BtnFour);
        PnlTwo.add(BtnFive);
        PnlTwo.add(BtnSix);
        PnlThree.add(BtnSvn);
        PnlFour.add(BtnEight);
        PnlFour.add(BtnNine);
        PnlFour.add(BtnTen);
        PnlFour.add(BtnElvn);
    }
}
```

```

    pnlFour.add(BtnTwlv);
    setSize(400,250);
    setVisible(true);
}
public static void main(String[] args)
{
    MultiplePanelsJavaExample frame = new MultiplePanelsJavaExample();
}
}

```

