**Chapter 4: Panels**

**Java Example Code:**

**import** java.awt.BorderLayout;

**import** java.awt.Color;

**import** javax.swing.ImageIcon;

**import** javax.swing.JFrame;

**import** javax.swing.JLabel;

**import** javax.swing.JPanel;

**public** **class** Panels {

**public** **static** **void** main(String[] args) {

// JPanel = a GUI component that functions as a container to hold other components

ImageIcon icon = **new** ImageIcon("thumbsup.png");

JLabel label = **new** JLabel();

label.setText("Hi");

label.setIcon(icon);

label.setVerticalAlignment(JLabel.***TOP***);

label.setHorizontalAlignment(JLabel.***LEFT***);

//label.setBounds(100, 100, 75, 75);

JPanel redPanel = **new** JPanel();

redPanel.setBackground(Color.***red***);

redPanel.setBounds(0, 0, 250, 250);

redPanel.setLayout(**new** BorderLayout());

JPanel bluePanel = **new** JPanel();

bluePanel.setBackground(Color.***blue***);

bluePanel.setBounds(250, 0, 250, 250);

bluePanel.setLayout(**new** BorderLayout());

JPanel greenPanel = **new** JPanel();

greenPanel.setBackground(Color.***green***);

greenPanel.setBounds(0, 250, 500, 250);

greenPanel.setLayout(**new** BorderLayout());

JFrame frame = **new** JFrame();

frame.setDefaultCloseOperation(JFrame.***EXIT\_ON\_CLOSE***);

frame.setLayout(**null**);

frame.setSize(750,750);

frame.setVisible(**true**);

greenPanel.add(label);

frame.add(redPanel);

frame.add(bluePanel);

frame.add(greenPanel);

}

}