# Layouts are used to decorate components in a specific order.There are two sample layouts describe briefly and their implementation is also given below.

# Flow Layout

Flow layout is the simplest layout. It is default layout used by JPanel. It is used to decorate components in a line or a row.It holds the components from left to right and top to bottom. It is the default layout for GUI container objects of class Applet or JPanel.

# Border Layout

Border layout is one of the most common used layouts. It is the default layout in JFrame.It can arrange the components in five regions.They are the top, bottom, left, right and center.Every region can contain only one element.After placing the four elements, all free space goes to center.

It’s a simple runable manual java code that can describe how the layouts display the components…

**package** layout;

**import** java.awt.BorderLayout;

**import** java.awt.FlowLayout;

**import** javax.swing.JButton;

**import** javax.swing.JFrame;

**public** **class** LayoutExample

{

JFrame frame;

JButton button,button1, button2, button3,button4;

**public** LayoutExample()

{

makeFlowLayout();

makeBorderLayout();

}

**public** **void** makeFlowLayout()

{

frame = **new** JFrame("Flow Layout Frame");

frame.setLayout(**new** FlowLayout());

button = **new** JButton("Leader");

button1 = **new** JButton("Member 1");

button2 = **new** JButton("Member 2");

button3 = **new** JButton("Member 3");

button4 = **new** JButton("Member 4");

frame.add(button);

frame.add(button1);

frame.add(button2);

frame.add(button3);

frame.add(button4);

frame.setSize(600,600);

frame.setVisible(**true**);

}

**public** **void** makeBorderLayout()

{

frame = **new** JFrame("Border Layout Frame");

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

button = **new** JButton("Teacher");

button1 = **new** JButton("Student 1");

button2 = **new** JButton("Student 2");

button3 = **new** JButton("Student 3");

button4 = **new** JButton("Student 4");

frame.add(button, BorderLayout.***CENTER***);

frame.add(button1, BorderLayout.***WEST***);

frame.add(button2, BorderLayout.***EAST***);

frame.add(button3, BorderLayout.***NORTH***);

frame.add(button4, BorderLayout.***SOUTH***);

frame.setSize(300,300);

frame.setVisible(**true**);

}

//Main method to run the code

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

{

**new** LayoutExample();

}

} //End of the class.