Inner class:

import javax.swing.\*;

import java.awt.event.\*;

public class EventHandlingDemo {

public static void main(String[] args) {

JFrame frame = new JFrame("Event Handling Demo");

JButton button = new JButton("Click Me");

// Adding ActionListener using Anonymous Inner Class

button.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent e) {

JOptionPane.showMessageDialog(null, "Button Clicked!");

}

});

frame.getContentPane().add(button);

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

frame.setSize(300, 200);

frame.setVisible(true);

}

}

**Color change:**

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.util.Random;

public class ColorChangerApp extends JFrame {

private JButton changeColorButton;

public ColorChangerApp() {

setTitle("Color Changer App");

setSize(400, 200);

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

setLocationRelativeTo(null);

initializeComponents();

setupLayout();

attachEventListeners();

}

private void initializeComponents() {

changeColorButton = new JButton("Change Color");

}

private void setupLayout() {

setLayout(new FlowLayout());

add(changeColorButton);

}

private void attachEventListeners() {

changeColorButton.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent e) {

changeBackgroundColor();

}

});

}

private void changeBackgroundColor() {

Random random = new Random();

int red = random.nextInt(256);

int green = random.nextInt(256);

int blue = random.nextInt(256);

Color randomColor = new Color(red, green, blue);

getContentPane().setBackground(randomColor);

}

public static void main(String[] args) {

SwingUtilities.invokeLater(new Runnable() {

@Override

public void run() {

new ColorChangerApp().setVisible(true);

}

});

}

}

**Table**:

import javax.swing.\*;

public class TableExample {

JFrame f;

TableExample() {

f = new JFrame();

String data[][] = { { "101", "komal", "700000" },

{ "102", "palak", "650000" },

{ "103", "Ashish", "800000" }

};

String column[] = { "ID", "Name", "Salary" };

JTable jt = new JTable(data, column);

jt.setBounds(30, 40, 200, 300);

JScrollPane sp = new JScrollPane(jt);

f.add(sp);

f.setSize(300, 500);

f.setVisible(true);

}

public static void main(String[] args) {

new TableExample();

}

}

**Flow Layout:**

import java.awt.\*;

import javax.swing.\*;

public class MyFlowLayout {

JFrame f;

MyFlowLayout() {

f = new JFrame();

JButton b1 = new JButton("1");

JButton b2 = new JButton("2");

JButton b3 = new JButton("3");

JButton b4 = new JButton("4");

JButton b5 = new JButton("5");

// adding buttons to the frame

f.add(b1);

f.add(b2);

f.add(b3);

f.add(b4);

f.add(b5);

// setting flow layout of right alignment

f.setLayout(new FlowLayout(FlowLayout.RIGHT));

f.setSize(300, 300);

f.setVisible(true);

}

public static void main(String[] args) {

new MyFlowLayout();

}

}

Grid layout:

import java.awt.\*;

import javax.swing.\*;

public class MyGridLayout {

JFrame f;

MyGridLayout() {

f = new JFrame();

JButton b1 = new JButton("1");

JButton b2 = new JButton("2");

JButton b3 = new JButton("3");

JButton b4 = new JButton("4");

JButton b5 = new JButton("5");

JButton b6 = new JButton("6");

JButton b7 = new JButton("7");

JButton b8 = new JButton("8");

JButton b9 = new JButton("9");

// adding buttons to the frame

f.add(b1);

f.add(b2);

f.add(b3);

f.add(b4);

f.add(b5);

f.add(b6);

f.add(b7);

f.add(b8);

f.add(b9);

// setting grid layout of 3 rows and 3 columns

f.setLayout(new GridLayout(3, 3));

f.setSize(300, 300);

f.setVisible(true);

}

public static void main(String[] args) {

new MyGridLayout();

}

}