

การทดลองที่ 7-1

```
// File Name : Lab7_1.java
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

public class Lab7_1 {
    JLabel numberLabel, resultLabel;
    JTextField numberField;
    JTextArea resultArea;

    public Lab7_1() {
        // title bar in window
        super("Program display valuen");
        // obtain content pane and set its layout to FlowLayout
        Container container = getContentPane();
        container.setLayout( new FlowLayout() );

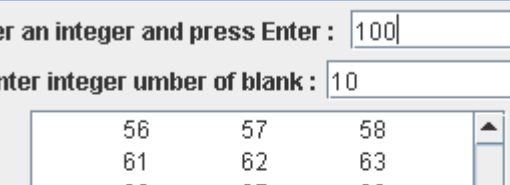
        // create numberLabel and attach it to content pane
        numberLabel = new JLabel("Enter integer and press Enter");
        container.add( numberLabel );

        // create numberField and attach it to content pane
        numberField = new JTextField( 10 );
        container.add( numberField );

        // register this applet as numberField's ActionListener
        numberField.addActionListener(
            // create inner class
            new ActionListener() {
                public void actionPerformed((ActionEvent event) )
                {
                    int number, sumValue;
                    String blank5 = "      ";
                    number = Integer.parseInt( numberField.getText() );
                    // clear value in TextArea
                    resultArea.setText("");
                    // add data in textarea
                    for (int n = 1 ; n <= number ; n++) {
                        resultArea.append( blank5 + Integer.toString(n));
                        if (n % 5 == 0) resultArea.append("\n");
                    }
                    // clear value in numberField
                    numberField.setText("");
                } // end method actionPerformed
            }
        );

        // create display
        resultArea = new JTextArea( 10,20 );
        resultArea.setEditable( false );
        container.add( resultArea );
    }
}
```

ผลลัพธ์



Program display valuen

Enter an integer and press Enter : 100

Enter integer umber of blank : 10

56	57	58
61	62	63
66	67	68
71	72	73
76	77	78
81	82	83
86	87	88
91	92	93
96	97	98

การทดลองที่ 7-2

```
// File Name : Lab7_2.java
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

public class Lab7_2 implements ActionListener {
    JLabel salaryLabel, taxLabel, resultLabel;
    JTextField salaryField, taxField, resultField;
    JButton btnCalculate, btnExit;
    JFrame window;

    /** Creates a new instance of Test5_15 */
    public Lab7_2() {
        // obtain content pane and set its layout to FlowLayout
        window = new JFrame("Programm Calculate Tax");
        Container container = window.getContentPane();
        container.setLayout( new FlowLayout() );

        // create numberLabel and attach it to content pane
        salaryLabel = new JLabel( "Enter salary employee : " );
        container.add( salaryLabel );
        salaryField = new JTextField( 10 );
        container.add( salaryField );

        taxLabel = new JLabel( "      Result Tax of salary : " );
        container.add( taxLabel );
        taxField = new JTextField( 10 );
        taxField.setEditable( false );
        container.add( taxField );

        resultLabel = new JLabel( "          Result Net Salary : " );
        container.add( resultLabel );
        resultField = new JTextField( 10 );
        resultField.setEditable( false );
        container.add( resultField );

        btnCalculate = new JButton(" Calculate ");
        btnCalculate.addActionListener( this);
        container.add( btnCalculate );

        btnExit = new JButton("   Exit   ");
        btnExit.addActionListener( this);
        container.add( btnExit );

        window.setSize( 300,150);
        window.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        window.setVisible(true);
    }

    public void actionPerformed((ActionEvent event) )
    {
        double salary = Double.parseDouble(salaryField.getText()) ;

        if (event.getSource() == btnCalculate) {
```


การทดลองที่ 7-3

```
// File Name : Lab7_3.java
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

public class Lab7_3 implements ActionListener {
    JLabel numberLabel;
    JTextField numberField;
    JButton btn1, btn2, btn3;
    JFrame window;

    public Lab7_3() {

        // obtain content pane and set its layout to FlowLayout
        window = new JFrame("Programm Show Text");
        Container container = window.getContentPane();
        container.setLayout( new FlowLayout() );

        // create numberLabel and attach it to content pane
        numberLabel = new JLabel( "Show Number : " );
        container.add( numberLabel );
        numberField = new JTextField( 10 );
        //numberField.setEditable( false );
        container.add( numberField );

        btn1 = new JButton("  1  ");
        btn1.addActionListener( this);
        container.add( btn1 );
        btn2 = new JButton("  2  ");
        btn2.addActionListener( this);
        container.add( btn2 );
        btn3 = new JButton("  3  ");
        btn3.addActionListener( this);
        container.add( btn3 );

        window.setSize( 240,120);
        window.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        window.setVisible(true);
    }

    public void actionPerformed((ActionEvent event) )
    {
        String str = numberField.getText();

        if (event.getSource() == btn1) {
            str += "1";
            numberField.setText( str );
        }
        else if (event.getSource() == btn2) {
            str += "2";
            numberField.setText( str );
        }
        else if (event.getSource() == btn3) {
```

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Programm Show T...

Show Number : 745823690

1 2 3

4 5 6

7 8 9

0 C