

基本コンポーネント（GUI 部品）＋ボタンクリックによるイベント処理

Exec111.java それぞれ Exec10□.java をコピーして koko の部分を追加変更します

```
1: //JFrame + FlowLayout + JLabel + JButton
2:
3: import java.awt.*;
4: import javax.swing.*;
5: import java.awt.event.*; //koko
6:
7: public class Exec111 extends JFrame implements ActionListener{ //koko
8:     JFrame execFrame;
9:     JLabel bigLabel; //koko
10:    public Exec111(){
11:        execFrame = new JFrame("Exec111");
12:        execFrame.setSize(400,400);
13:        execFrame.setVisible(true);
14:        execFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
15:
16:        //kokokara
17:        execFrame.setLayout( new FlowLayout( ));
18:        execFrame.add(new JLabel("Java"));
19:        execFrame.add(new JLabel("in"));
20:        execFrame.add(new JLabel("8 Hours"));
21:        bigLabel = new JLabel("麻生情報ビジネス専門学校"); //koko
22:        bigLabel.setFont(new Font("MS ゴシック", Font.BOLD, 20));
23:        execFrame.add(bigLabel);
24:
25:        JButton button = new JButton("CLICK"); //koko
26:        execFrame.add(button); //koko
27:        button.addActionListener(this); //koko
28:
29:        execFrame.setVisible(true);
30:    }
31:    public void actionPerformed(ActionEvent e){ //koko
32:        System.out.println(bigLabel.getText()); //koko
33:    } //koko
34:    public static void main(String[] args){
35:        new Exec111();
36:    }
37: }
38:
```

## Exec112.java

```
1: //JFrame + FlowLayout + JTextField + JButton
2:
3: import java.awt.*;
4: import javax.swing.*;
5: import java.awt.event.*; //koko
6:
7: public class Exec112 extends JFrame implements ActionListener { //koko
8:     JFrame execFrame;
9:     JTextField bigTextField; //koko
10:    public Exec112() {
11:        execFrame = new JFrame("Exec112");
12:        execFrame.setSize(400, 400);
13:        execFrame.setVisible(true);
14:        execFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
15:
16:        //kokokara
17:        execFrame.setLayout(new FlowLayout());
18:        execFrame.add(new JTextField(" This is a TextField "));
19:
20:        bigTextField = new JTextField("麻生情報ビジネス専門学校"); //koko
21:        bigTextField.setFont(new Font("MS ゴシック", Font.BOLD, 30));
22:        execFrame.add(bigTextField);
23:
24:        JButton button = new JButton("CLICK"); //koko
25:        execFrame.add(button); //koko
26:        button.addActionListener(this); //koko
27:
28:        execFrame.setVisible(true);
29:    }
30:    public void actionPerformed(ActionEvent e) { //koko
31:        System.out.println(bigTextField.getText()); //koko
32:    } //koko
33:    public static void main(String[] args) {
34:        new Exec112();
35:    }
36: }
```

## Exec113.java

```
1: //JFrame + FlowLayout + JPasswordField + JButton
2:
3: import java.awt.*;
4: import javax.swing.*;
5: import java.awt.event.*; //koko
6:
7: public class Exec113 extends JFrame implements ActionListener { //koko
8:     JFrame execFrame;
9:     JPasswordField myPassword; //koko
10:    public Exec113() {
11:        execFrame = new JFrame("Exec113");
12:        execFrame.setSize(400, 400);
13:        execFrame.setVisible(true);
14:        execFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
15:
16:        //kokokara
17:        execFrame.setLayout( new FlowLayout( ));
18:
19:        myPassword = new JPasswordField (16); //koko
20:        execFrame.add(myPassword);
21:
22:        JButton button = new JButton("CLICK"); //koko
23:        execFrame.add(button); //koko
24:        button.addActionListener(this); //koko
25:
26:        execFrame.setVisible(true);
27:    }
28:    public void actionPerformed(ActionEvent e) { //koko
29:        System.out.println(myPassword.getText()); //koko
30:    }
31:    public static void main(String[] args) {
32:        new Exec113();
33:    }
34: }
```

## Exec114.java

```
1: //JFrame + FlowLayout + JCheckBox + JButton
2:
3: import java.awt.*;
4: import javax.swing.*;
5: import java.awt.event.*; //koko
6:
7: public class Exec114 extends JFrame implements ActionListener { //koko
8:     JFrame execFrame;
9:     JCheckBox checkbox; //koko
10:    public Exec114() {
11:        execFrame = new JFrame("Exec114");
12:        execFrame.setSize(400, 400);
13:        execFrame.setVisible(true);
14:        execFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
15:
16:        //kokokara
17:        execFrame.setLayout(new FlowLayout());
18:        checkbox = new JCheckBox("This is a CheckBox"); //koko
19:        execFrame.add(checkbox); //koko
20:
21:        JButton button = new JButton("CLICK"); //koko
22:        execFrame.add(button); //koko
23:        button.addActionListener(this); //koko
24:
25:        execFrame.setVisible(true);
26:    }
27:    public void actionPerformed(ActionEvent e) { //koko
28:        System.out.println(checkbox.isSelected()); //koko
29:    }
30:    public static void main(String[] args) {
31:        new Exec114();
32:    }
33: }
```

## Exec115.java

```
1: //JFrame + FlowLayout + JRadioButton + JButton
2:
3: import java.awt.*;
4: import javax.swing.*;
5: import java.awt.event.*; //koko
6:
7: public class Exec115 extends JFrame implements ActionListener { //koko
8:     JFrame execFrame;
9:     JRadioButton radiobutton; //koko
10:    public Exec115() {
11:        execFrame = new JFrame("Exec115");
12:        execFrame.setSize(400, 400);
13:        execFrame.setVisible(true);
14:        execFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
15:
16:        //kokokara
17:        execFrame.setLayout( new FlowLayout( ));
18:        radiobutton = new JRadioButton("I am RadioButton"); //koko
19:        execFrame.add(radiobutton); //koko
20:
21:        JButton button = new JButton("CLICK"); //koko
22:        execFrame.add(button); //koko
23:        button.addActionListener(this); //koko
24:
25:        execFrame.setVisible(true);
26:    }
27:    public void actionPerformed(ActionEvent e) { //koko
28:        System.out.println(radiobutton.isSelected()); //koko
29:    } //koko
30:    public static void main(String[] args) {
31:        new Exec115();
32:    }
33: }
```

## Exec116.java

```
1: //JFrame + FlowLayout + JTextArea + JButton
2:
3: import java.awt.*;
4: import javax.swing.*;
5: import java.awt.event.*; //koko
6:
7: public class Exec116 extends JFrame implements ActionListener { //koko
8:     JFrame execFrame;
9:     JTextArea textarea; //koko
10:    public Exec116() {
11:        execFrame = new JFrame("Exec116");
12:        execFrame.setSize(400, 400);
13:        execFrame.setVisible(true);
14:        execFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
15:
16:        //kokokara
17:        execFrame.setLayout(new FlowLayout());
18:        textarea = new JTextArea(" This is a TextArea! ", 10, 20); //koko
19:        execFrame.add(textarea); //koko
20:
21:        JButton button = new JButton("CLICK"); //koko
22:        execFrame.add(button); //koko
23:        button.addActionListener(this); //koko
24:
25:        execFrame.setVisible(true);
26:    }
27:    public void actionPerformed(ActionEvent e) { //koko
28:        System.out.println(textarea.getText()); //koko
29:    } //koko
30:    public static void main(String[] args) {
31:        new Exec116();
32:    }
33: }
```

## Exec117.java

```
1: //JFrame + FlowLayout + JComboBox + JButton
2:
3: import java.awt.*;
4: import javax.swing.*;
5: import java.awt.event.*; //koko
6:
7: public class Exec117 extends JFrame implements ActionListener { //koko
8:     JFrame execFrame;
9:     JComboBox color; //koko
10:    public Exec117() {
11:        execFrame = new JFrame("Exec117");
12:        execFrame.setSize(400, 400);
13:        execFrame.setVisible(true);
14:        execFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
15:
16:        //kokokara
17:        execFrame.setLayout(new FlowLayout());
18:        color = new JComboBox(); //koko
19:        color.addItem("Red");
20:        color.addItem("Yellow");
21:        color.addItem("Green");
22:        execFrame.add(color); // add "color" object to frame.
23:
24:        JButton button = new JButton("CLICK"); //koko
25:        execFrame.add(button); //koko
26:        button.addActionListener(this); //koko
27:
28:        execFrame.setVisible(true);
29:    }
30:    public void actionPerformed(ActionEvent e) { //koko
31:        System.out.println((String)color.getSelectedItem()); //koko
32:    } //koko
33:    public static void main(String[] args) {
34:        new Exec117();
35:    }
36: }
```