

課題 13-1 のプログラム例

```
import java.awt.*;
import java.awt.event.*;

class MyFrame implements ActionListener {
    private Frame f1;
    private Button ok, cancel, exit;
    MyFrame() {
        f1 = new Frame("Buttons");
        cancel = new Button("Cancel");
        ok = new Button("OK");
        exit = new Button("Exit");
        f1.setLayout(new FlowLayout());
        f1.add(cancel);
        f1.add(ok);
        f1.add(exit);
        cancel.addActionListener(this);
        ok.addActionListener(this);
        exit.addActionListener(this);
        f1.pack();
        f1.setVisible(true);
    }
    public void actionPerformed(ActionEvent e) {
        if(e.getSource()==cancel) {
            System.out.println("キャンセル");
        }
        if(e.getSource()==ok) {
            System.out.println("OK");
        }
        //課題 13-1
        if(e.getSource()==exit) {
            System.exit(0);
        }
    }
    public static void main(String[] args) {
        MyFrame obj = new MyFrame();
    }
}
```

課題 13-2, 13-3 のプログラム例

```
package week11301;
import java.awt.*;
import java.awt.event.*;

class MySticky implements ActionListener {
    private Frame f1;
    private TextField tf1;
```

```
private Button b1;
private Label l1;
MySticky() {
    f1 = new Frame("Sticky");
    tf1 = new TextField("何か入力してくださ
    い");
    b1 = new Button("New");
    l1 = new Label("ラベル");

    f1.add(tf1, BorderLayout.NORTH);
    f1.add(b1, BorderLayout.CENTER);
    f1.add(l1, BorderLayout.SOUTH);
    //課題 13-2
    tf1.addActionListener(this);
    //課題 13-3
    b1.addActionListener(this);

    f1.pack();
    f1.setVisible(true);
}
public void actionPerformed(ActionEvent e) {
    //課題 13-2
    if(e.getSource()==tf1) {
        String s1;
        int n1;
        s1 = tf1.getText();
        n1 = Integer.parseInt(s1);
        n1++;
        s1 = String.valueOf(n1);
        l1.setText(s1);
    }
    //課題 13-3
    if(e.getSource()==b1) {
        String str;
        str = tf1.getText();
        Frame sticky = new Frame();
        Label stickylabel = new Label();
        sticky.add(stickylabel, BorderLayout.CENTER);
        stickylabel.setText(str);
        sticky.pack();
        sticky.setVisible(true);
    }
}
public static void main(String[] args) {
    MySticky obj = new MySticky();
}
```