

Week 12:

Extra Programs : (IMP II)1. **BUTTONS**

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

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

```
public class ButtonList extends Frame implements ActionListener {
```

```
    String msg = "";
```

```
    Button bList[] = new Button[3];
```

```
    public ButtonList() {
```

```
        setLayout(new FlowLayout());
```

```
        Button yes = new Button("Yes");
```

```
        Button no = new Button("No");
```

```
        Button maybe = new Button("Undecided");
```

```
        bList[0] = (Button) add(yes);
```

```
        bList[1] = (Button) add(no);
```

```
        bList[2] = (Button) add(maybe);
```

```
        for (int i=0; i<3; i++) {
```

```
            bList[i].addActionListener(this);
```

```
        }
```

```
        addWindowListener(new WindowAdapter() {
```

```
            public void windowClosing(WindowEvent we) {
```

reference  
←

```
System.exit(0);  
}
```

```
});
```

```
}
```

```
public void actionPerformed (ActionEvent ae) {  
    for (int i=0 ; i<3 ; i++) {  
        if (ae.getSource() == bList[i]) {  
            msg = "You pressed " + bList[i].getLabel();  
        }  
        repaint();  
    }  
}
```

```
public void paint(Graphics g) {  
    g.drawString(msg, 20, 100);  
}
```

```
public static void main (String args[]) {  
    ButtonList appwin = new ButtonList();  
    appwin.setSize(new Dimension(250, 150));  
    appwin.setTitle("ButtonList");  
    appwin.setVisible(true);  
}  
}
```



## 2. TEXTFIELD

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

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

```
public class TextFieldDemo extends Frame implements ActionListener {
```

```
    TextField name name, pass;
```

```
    public TextFieldDemo() {
```

```
        label namep = new Label("Name: ", Label.RIGHT);
```

```
        label passp = new Label("Password: ", Label.RIGHT);
```

```
        name = new TextField(12);
```

```
        pass = new TextField(8);
```

```
        pass.setEchoChar('?');
```

```
        add(namep);
```

```
        add(name);
```

```
        add(passp);
```

```
        add(pass);
```

```
        name.addActionListener(this);
```

```
        pass.addActionListener(this);
```

```
        addWindowListener(new WindowAdapter() {
```

```
            public void windowClosing(WindowEvent we) {
```

```
                System.exit(0);
```

}

};

{

```
public void paint (Graphics g) {  
    g.drawString ("Name: " + name.getText(), 20, 100);  
    g.drawString ("Selected text in name: " + name.getSelectedText(),  
        20, 120);  
    g.drawString ("Password: " + pass.getText(), 20, 140);  
}
```

```
public static void main (String[] args) {  
    TextFieldDemo appwin = new TextFieldDemo();  
    appwin.setSize (new Dimension (380, 180));  
    appwin.setTitle ("TextFieldDemo");  
    appwin.setVisible (true);  
}
```

{