Java BoxLayout

The BoxLayout is used to arrange the components either vertically or horizontally. For this purpose, BoxLayout provides four constants. They are as follows:

Note: BoxLayout class is found in javax.swing package.

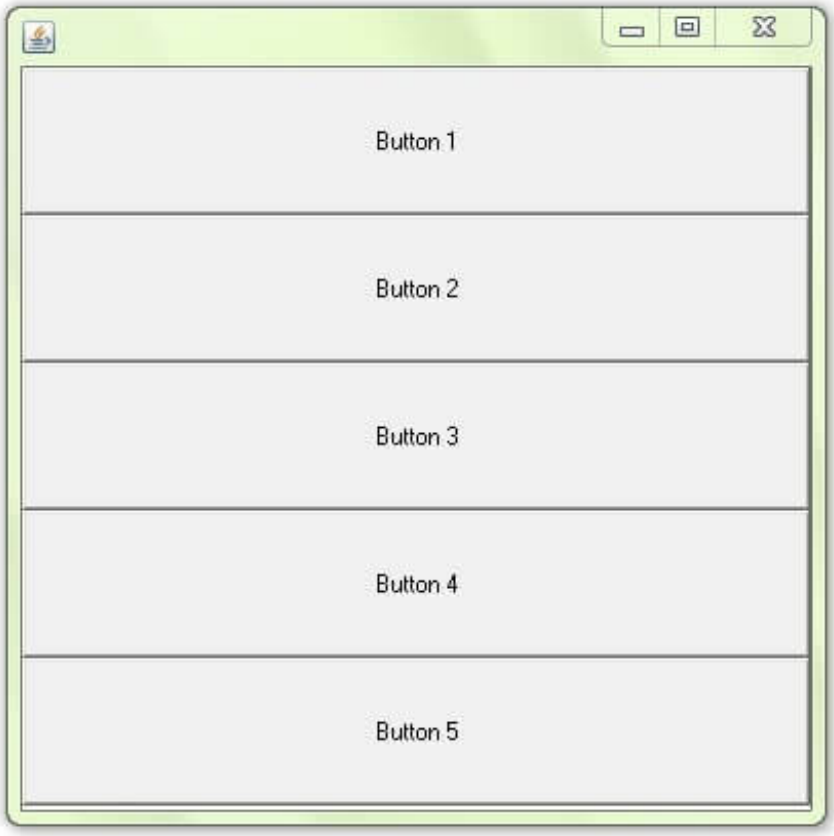
Fields of BoxLayout class

1. **public static final int X_AXIS**
2. **public static final int Y_AXIS**
3. **public static final int LINE_AXIS**
4. **public static final int PAGE_AXIS**

Constructor of BoxLayout class

1. **BoxLayout(Container c, int axis):** creates a box layout that arranges the components with the given axis.

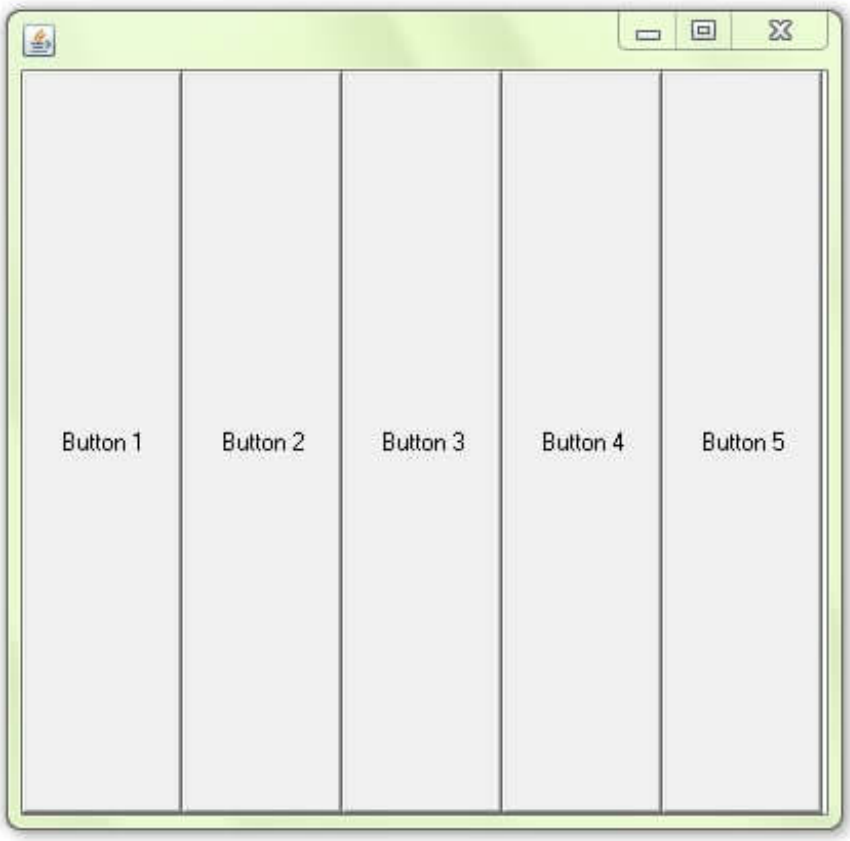
Example of BoxLayout class with Y-AXIS:




```
1. import java.awt.*;
2. import javax.swing.*;
3. publicclass BoxLayoutExample1 extends Frame {
4.  Button buttons[];
5.  public BoxLayoutExample1 () {
6.    buttons = new Button [5];
7.    for (int i = 0;i<5;i++) {
8.       buttons[i] = new Button ("Button " + (i + 1));
9.       add (buttons[i]);
```

```
10.     }
11.  setLayout (new BoxLayout (this, BoxLayout.Y_AXIS));
12.  setSize(400,400);
13.  setVisible(true);
14.  }
15.  publicstaticvoid main(String args[]){
16.  BoxLayoutExample1 b=new BoxLayoutExample1();
17.  }
18.  }
```

Example of BoxLayout class with X-AXIS




```
1.  import java.awt.*;
2.  import javax.swing.*;
3.  publicclass BoxLayoutExample2 extends Frame {
4.   Button buttons[];
5.   public BoxLayoutExample2() {
6.     buttons = new Button [5];
7.     for (int i = 0;i<5;i++) {
8.        buttons[i] = new Button ("Button " + (i + 1));
9.        add (buttons[i]);
10.     }
11.  setLayout (new BoxLayout(this, BoxLayout.X_AXIS));
12.  setSize(400,400);
13.  setVisible(true);
14.  }
15.  publicstaticvoid main(String args[]){
16.  BoxLayoutExample2 b=new BoxLayoutExample2();
17.  }
18.  }
```