

Template Method Pattern

하위 클래스에서 구체적으로 처리.

- 상위 클래스에서 처리의 뼈대를 세우고, 구체적인 처리를 하위 클래스에서 실행.

[Architecture](#), [Modeling](#), [DesignPattern](#), [Behavioral](#)

GUI 앱에서 Menu, Sidebar를 열기/닫기/크기 얻기 동작을 한다고 가정.

AbstractClass

```
/**
 * Template 역할
 */
public abstract class AbstractLayout {
    private int width;
    private int height;
    public AbstractLayout(int width, int height) {
        this.width = width;
        this.height = height;
    }
    public abstract void open();
    public abstract void close();
    public final int[] getMesasure() {
        return new int[] {width, height};
    }
}
```

ConcreteClass

```
public class MenuLayout extends AbstractLayout {

    public MenuLayout(int width, int height) {
        super(width, height);
    }

    @Override
    public void open() {
        System.out.println("Menu opened!");
    }

    @Override
    public void close() {
```

```
        System.out.println("Menu closed!");  
    }  
}
```

```
public class SidebarLayout extends AbstractLayout {  
  
    public SidebarLayout(int width, int height) {  
        super(width, height);  
    }  
  
    @Override  
    public void open() {  
        System.out.println("Sidebar opened!");  
    }  
  
    @Override  
    public void close() {  
        System.out.println("Sidebar closed!");  
    }  
}
```

From:
<http://ledyx.xyz/> - **Ledyx WIKI**

Permanent link:
http://ledyx.xyz/doku.php?id=design_pattern:template_method_pattern&rev=1509099209

Last update: **2021/02/07 03:15**

