**Input:**

[Widget\_type] [Widget\_name]//add widget

[look-and-feel\_style]/\*set [look-and-feel\_style] as current style\*/

Present /\*extra command, show all widgets to standard output\*/

…

**Output:**

/\*

Widgets must be shown with following rules:

Window should be shown before ScrollBar.

ScrollBar should be shown before Button.

If there are the same type widgets, show with the sequential order from input.  
\*/

[Style\_widget\_type] [Widget\_name]

…

**Comment:**

[Widget\_type] must be one of followings:

Window

ScrollBar

Button

[look-and-feel\_style] must be one of followings:

Motif

PM

if current [look-and-feel\_style] is Motif, [Style\_widget\_type] must be one of followings:

MotifWindow

MotifScrollBar

MotifButton

if current [look-and-feel\_style] is PM, [Style\_widget\_type] must be one of followings:

PMWindow

PMScrollBar

PMButton

The default [look-and-feel\_style] is Motif.

You should read input from file.

And show output to standard output.

---

You are asked to write a main function in Class Main.

We'll test your program through "java Main inputFile"

e.g java Main sampleInput

**Upload:**

Please push your source code to the master branch of your team’s homework Gitlab repository.

The folder structure should be:

[dir] GUIApplication

=> [dir] Team7

=> Main.java

=> \*.java (optional)

=> [name of test case].in

=> [name of test case].out

**You won’t receive any point if you didn’t follow the directory structure or main class name or compressed format!**

**sampleInput:**

ScrollBar scrollBar1

Window window1

Window window2

Button button1

Present

PM

Present

**sampleOutput:**

MotifWindow window1

MotifWindow window2

MotifScrollBar scrollBar1

MotifButton button1

PMWindow window1

PMWindow window2

PMScrollBar scrollBar1

PMButton button1