

## Assignment 8(CREDIT ASSIGNMENT)

### MyAspect.aj

```
public aspect myAspect {
    private int Counter=0;
    pointcut Object_Creation():
        execution(Notepad.new(..)) || execution(Notepad.*.new(..));

    before(): Object_Creation() {
        System.out.println("Creating Object ==>" + thisJoinPoint.getSignature());
        InsertBlankLine();
    }

    pointcut Method_Execution():
        (execution(* *(..)) && !cflow(within(myAspect))) && !execution(public
static void main(..)) && within(Notepad));

    before(): Method_Execution() {
        System.out.println("Executing ==>" + thisJoinPoint.getSignature());
        InsertBlankLine();
    }

    public void InsertBlankLine() {
        Counter++;
        if(Counter==10) {
            Counter=0;
            System.out.println();
        }
    }
}
```

### OUTPUT

```
Creating Object ==>Notepad()
Creating Object ==>Notepad.UndoHandler(Notepad)
Creating Object ==>Notepad.UndoAction(Notepad)
Creating Object ==>Notepad.RedoAction(Notepad)
Creating Object ==>Notepad.NewAction(Notepad)
Creating Object ==>Notepad.NewAction(Notepad, String)
Creating Object ==>Notepad.OpenAction(Notepad)
Creating Object ==>Notepad.SaveAction(Notepad)
Creating Object ==>Notepad.ExitAction(Notepad)
Creating Object ==>Notepad.ShowElementTreeAction(Notepad)

Executing ==>JTextComponent Notepad.createEditor()
Executing ==>Action[] Notepad.getActions()
Executing ==>Component Notepad.createToolBar()
Executing ==>String Notepad.getResourceString(String)
Executing ==>String[] Notepad.tokenize(String)
Executing ==>Component Notepad.createTool(String)
Executing ==>JButton Notepad.createToolBarButton(String)
Executing ==>URL Notepad.getResource(String)
```

```
Executing ==>String Notepad.getResourceString(String)
Creating Object ==>Notepad.1(Notepad, Icon)
```

```
Executing ==>String Notepad.getResourceString(String)
Executing ==>Action Notepad.getAction(String)
Executing ==>String Notepad.getResourceString(String)
Executing ==>Component Notepad.createTool(String)
Executing ==>JButton Notepad.createToolBarButton(String)
Executing ==>URL Notepad.getResource(String)
Executing ==>String Notepad.getResourceString(String)
Creating Object ==>Notepad.1(Notepad, Icon)
Executing ==>String Notepad.getResourceString(String)
Executing ==>Action Notepad.getAction(String)
```

```
Executing ==>String Notepad.getResourceString(String)
Executing ==>Component Notepad.createTool(String)
Executing ==>JButton Notepad.createToolBarButton(String)
Executing ==>URL Notepad.getResource(String)
Executing ==>String Notepad.getResourceString(String)
Creating Object ==>Notepad.1(Notepad, Icon)
Executing ==>String Notepad.getResourceString(String)
Executing ==>Action Notepad.getAction(String)
Executing ==>String Notepad.getResourceString(String)
Executing ==>Component Notepad.createTool(String)
```

```
Executing ==>JButton Notepad.createToolBarButton(String)
Executing ==>URL Notepad.getResource(String)
Executing ==>String Notepad.getResourceString(String)
Creating Object ==>Notepad.1(Notepad, Icon)
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Executing ==>URL Notepad.getResource(String)
Executing ==>String Notepad.getResourceString(String)
Creating Object ==>Notepad.1(Notepad, Icon)
```

```
Executing ==>String Notepad.getResourceString(String)
Executing ==>Action Notepad.getAction(String)
Executing ==>String Notepad.getResourceString(String)
Executing ==>Component Notepad.createStatusbar()
Creating Object ==>Notepad.StatusBar(Notepad)
Executing ==>JMenuBar Notepad.createMenuubar()
Executing ==>String Notepad.getResourceString(String)
Executing ==>String[] Notepad.tokenize(String)
```

[illegible]

[illegible]

```
Creating Object ==>Notepad.AppCloser()
Executing ==>float Notepad.1.getAlignmentY()

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Executing ==>float Notepad.1.getAlignmentY()
Executing ==>float Notepad.1.getAlignmentY()
Executing ==>float Notepad.1.getAlignmentY()
Executing ==>void Notepad.paintChildren(Graphics)
Executing ==>void Notepad.AppCloser.windowClosing(WindowEvent)
```