

Output:

```
Problems @ Javadoc Declaration Console
<terminated> Notepad (36) [Aspect/Java Application] C:\Program Files (x86)\Java\jre1.8.0_101\bin\javaw.exe (Aug 14, 2017, 11:23:25 PM)
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.l(Notepad, Icon)

Executing ==> String Notepad.getResourceString(String)
Executing ==> Action Notepad.getAction(String)
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Executing ==> void Notepad.paintChildren(Graphics)
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Executing ==> void Notepad.UndoHandler.undoableEditHappened(UndoableEditEvent)
Executing ==> void Notepad.UndoAction.update()
Executing ==> void Notepad.ActionChangeListener.propertyChange(PropertyChangeEvent)
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Executing ==> Frame Notepad.getFrame()
Executing ==> void Notepad.paintChildren(Graphics)
Creating object ==> Notepad.FileSaver(Notepad, File, Document)
Executing ==> void Notepad.FileSaver.run()
Executing ==> void Notepad.paintChildren(Graphics)

Executing ==> void Notepad.StatusBar.paint(Graphics)
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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 ==> String Notepad.getResourceString(String)
Executing ==> Action Notepad.getAction(String)
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Executing ==> Component Notepad.createTool(String)
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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)
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Executing ==> String Notepad.getResourceString(String)
Executing ==> Component Notepad.createTool(String)
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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)
Executing ==> JMenu Notepad.createMenu(String)
Executing ==> String Notepad.getResourceString(String)

Executing ==> String[] Notepad.tokenize(String)
Executing ==> String Notepad.getResourceString(String)
Executing ==> JMenuItem Notepad.createMenuItem(String)
Executing ==> String Notepad.getResourceString(String)
Executing ==> URL Notepad.getResource(String)
Executing ==> String Notepad.getResourceString(String)
Executing ==> String Notepad.getResourceString(String)
Executing ==> Action Notepad.getAction(String)
Executing ==> PropertyChangeListener Notepad.createActionChangeListener(JMenuItem)
Creating object ==> Notepad.ActionChangeListener(Notepad, JMenuItem)

Executing ==> JMenuItem Notepad.createMenuItem(String)
Executing ==> String Notepad.getResourceString(String)
Executing ==> URL Notepad.getResource(String)
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Executing ==> Action Notepad.getAction(String)
Executing ==> PropertyChangeListener Notepad.createActionChangeListener(JMenuItem)
Creating object ==> Notepad.ActionChangeListener(Notepad, JMenuItem)
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()
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[illegible]


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Code:

// NotepadAspect.aj

```
public aspect NotepadAspect {  
  
    private int Counter = 0;  
  
    pointcut Create_object() :  
        initialization(Notepad.new(..)) || initialization(Notepad.*.new(..));  
  
    pointcut Tracing() : (execution(* * (..) && within(Notepad) && !execution(*  
*.access*(..))) && !cflow(within(NotepadAspect)) && !execution(static void main (..));  
  
    before() : Create_object() {  
  
        System.out.println("Creating object ==> " + thisJoinPointStaticPart.getSignature());  
        ++Counter;  
        if(Counter==10)  
        {  
            System.out.println();  
            Counter=0;  
        }  
    }  
}
```

```
before() : Tracing() {  
    System.out.println("Executing ==> " + thisJoinPoint.getSignature());  
    ++Counter;  
    if(Counter==10)  
    {  
        System.out.println();  
        Counter=0;  
    }  
}  
  
}
```