Debug no Eclipse

MC302 EF
Programação Orientada a Objetos

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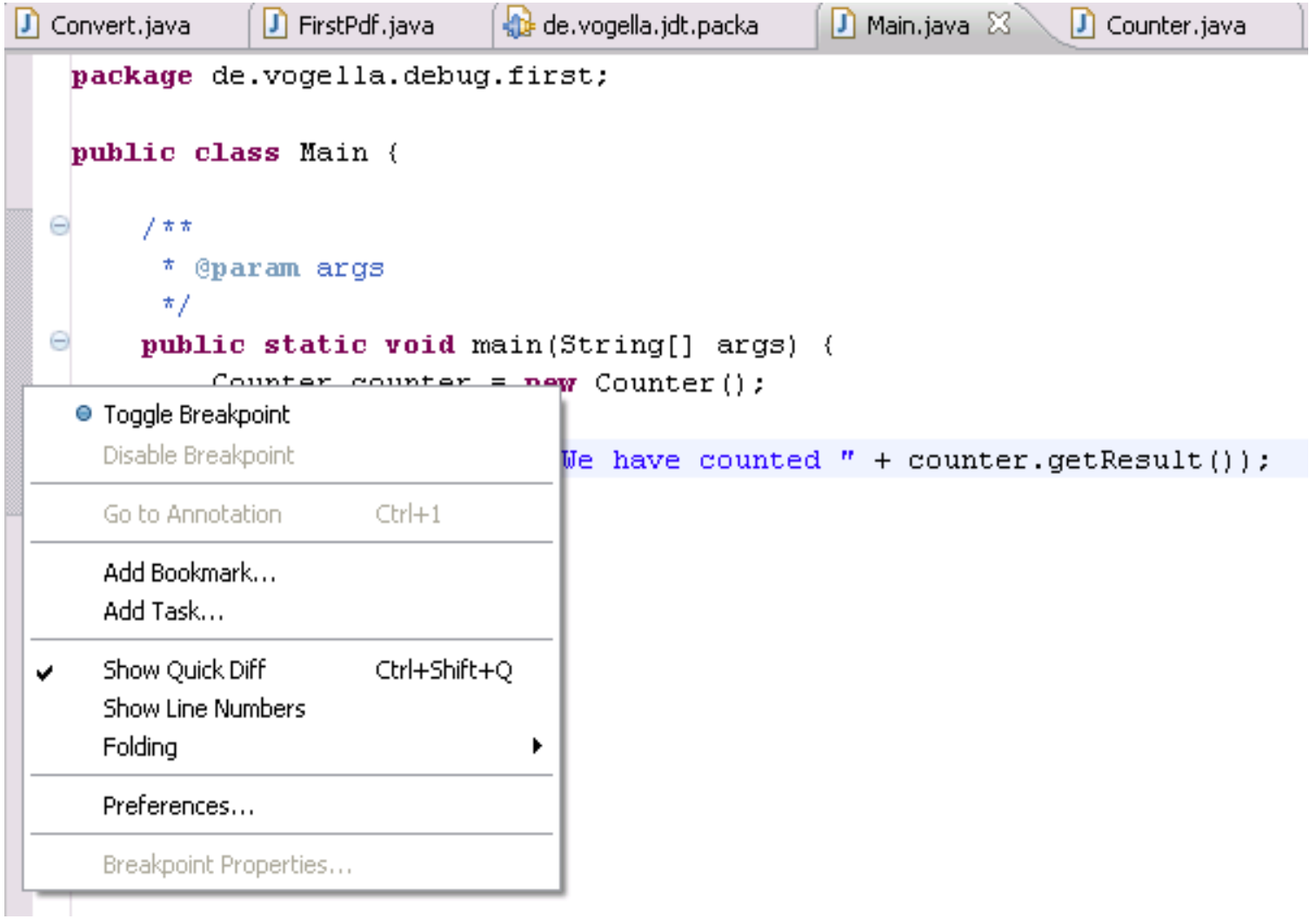
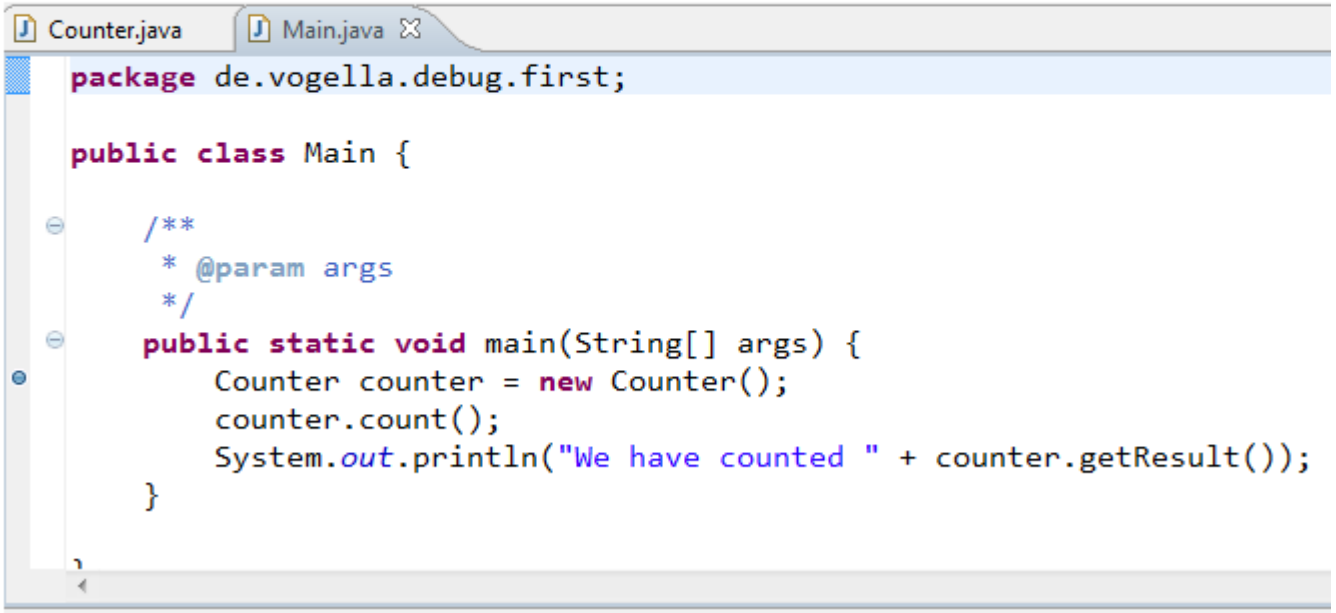
O que é Depuração?

- Permite a execução iterativamente de programas enquanto você observa o código fonte e as variáveis durante a execução.
- Breakpoint: ponto de parada na execução

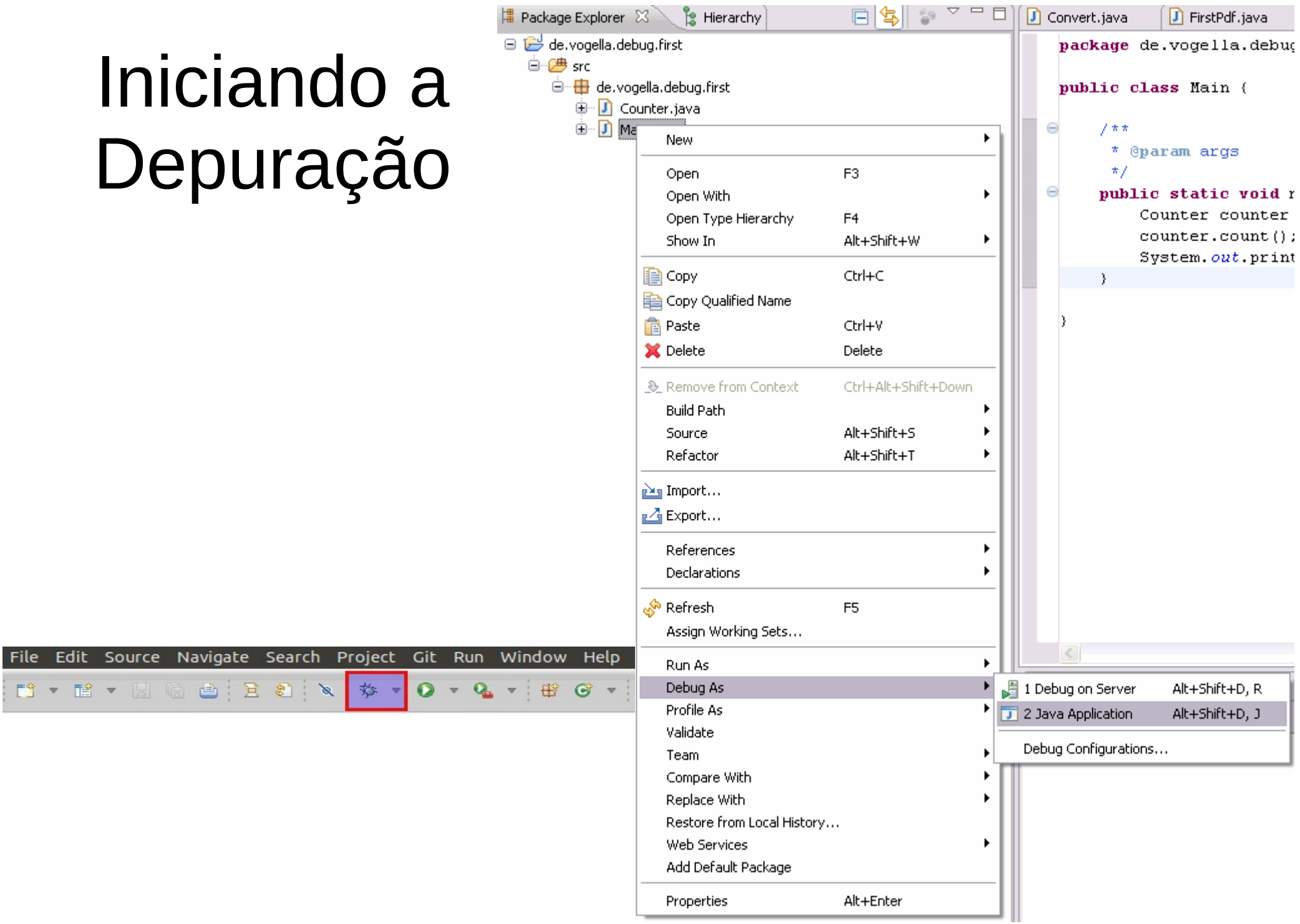
Definindo Breakpoints



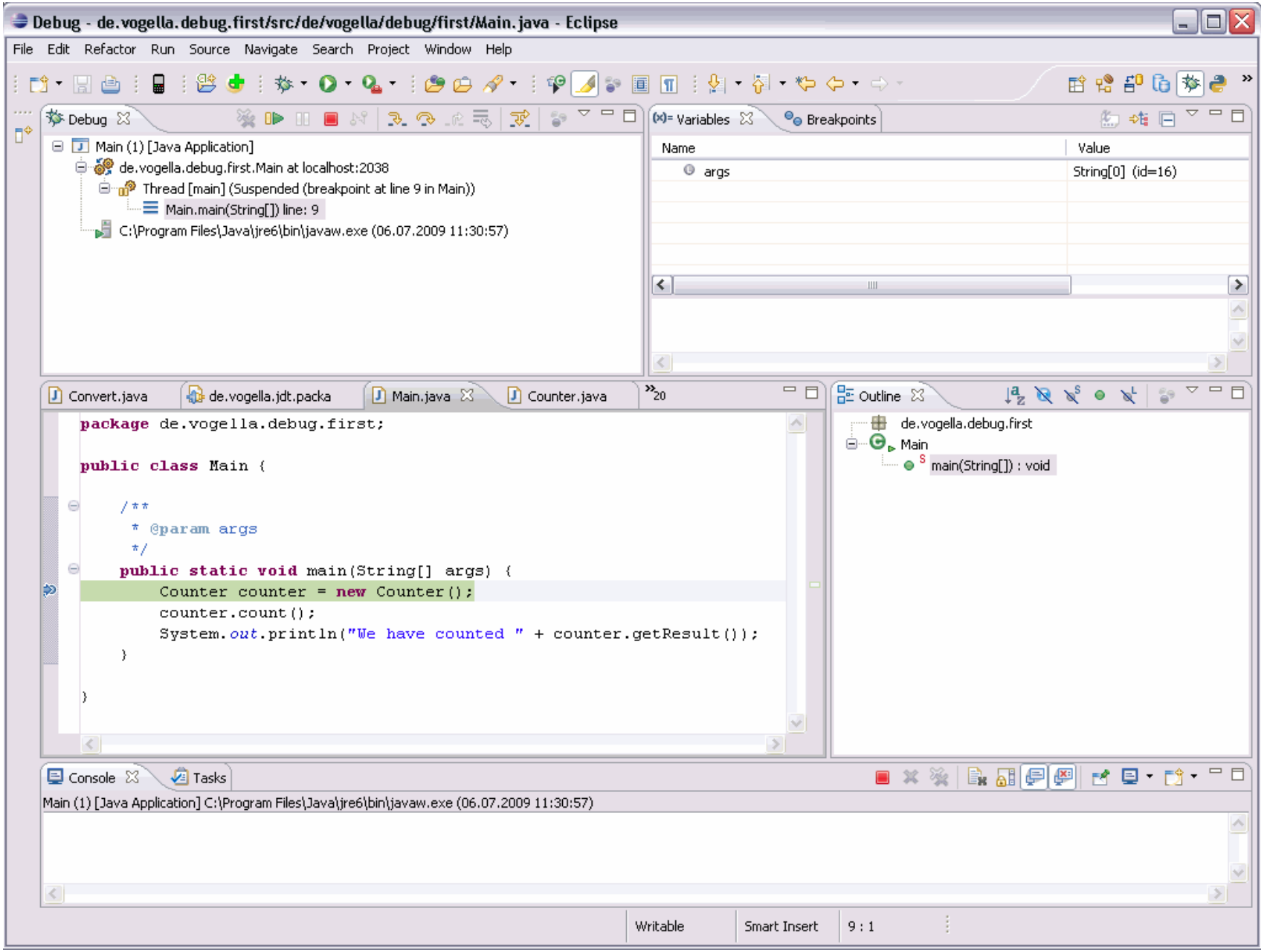
Definindo Breakpoints



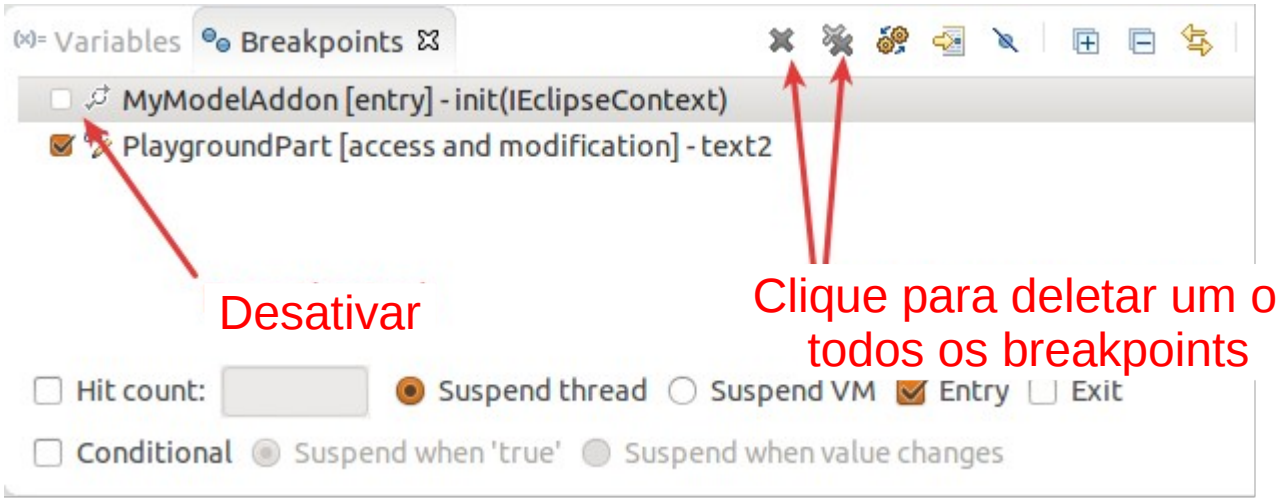
Iniciando a Depuração



Perspectiva de Depuração



Gerenciando os Breakpoints



Execução da Depuração

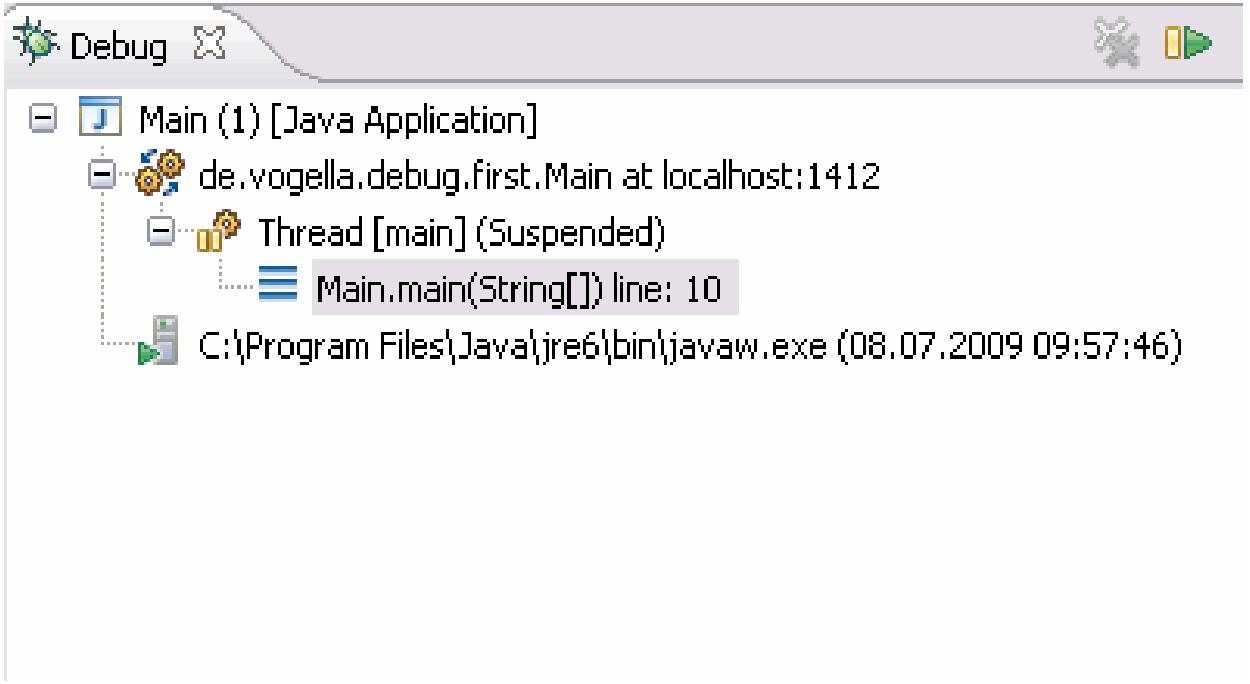
F5 – executa a linha corrente e passa para a próxima linha. Se a linha selecionada é uma chamada de método, o depurador executa o código associado.

F6 – prossegue sobre uma chamada de método, ou seja, executa um método sem passar o depurador por cada linha do seu código.

F7 – prossegue para o invocador do método atualmente em execução. Isto finaliza a execução do método corrente e retorna para o invocador deste método.

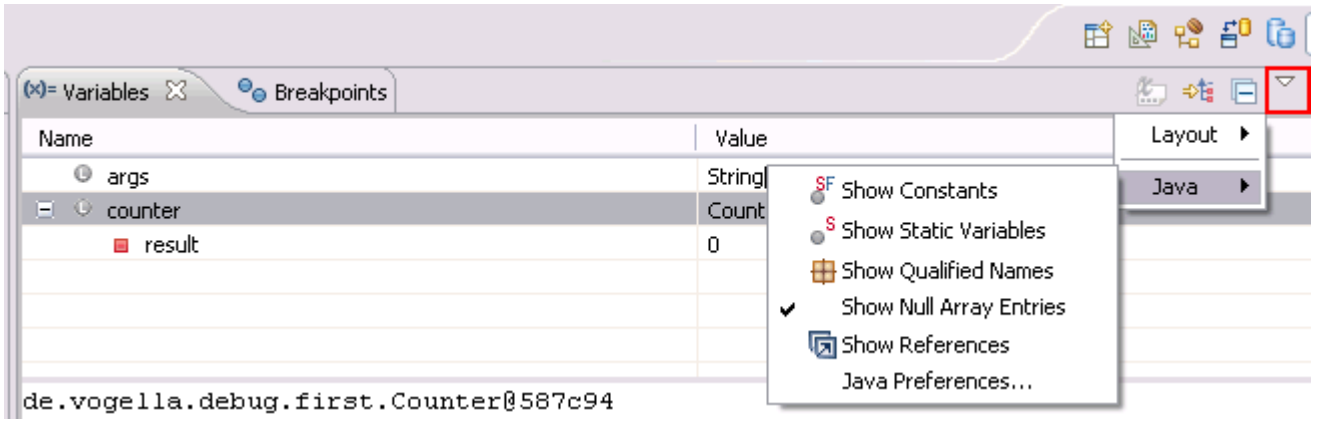
F8 – informa ao depurador para continuar a execução do código do programa até que alcance o próximo breakpoint ou watchpoing.

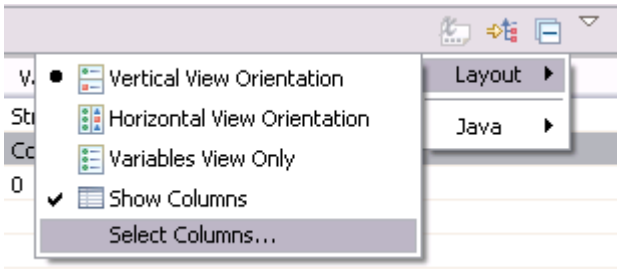
Pilha de Chamadas



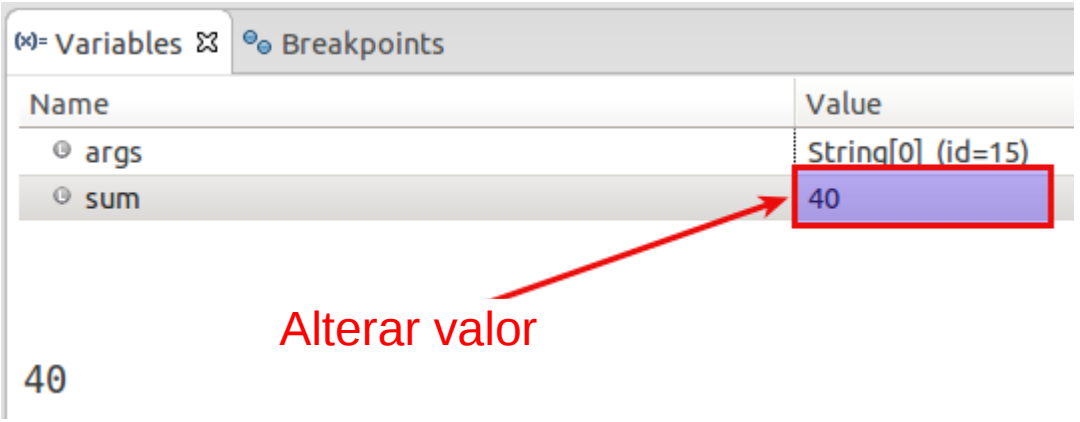
Variáveis


Variables
Breakpoints
Name
Value
args
String[0] (id=16)
counter
Counter (id=20)
result
0

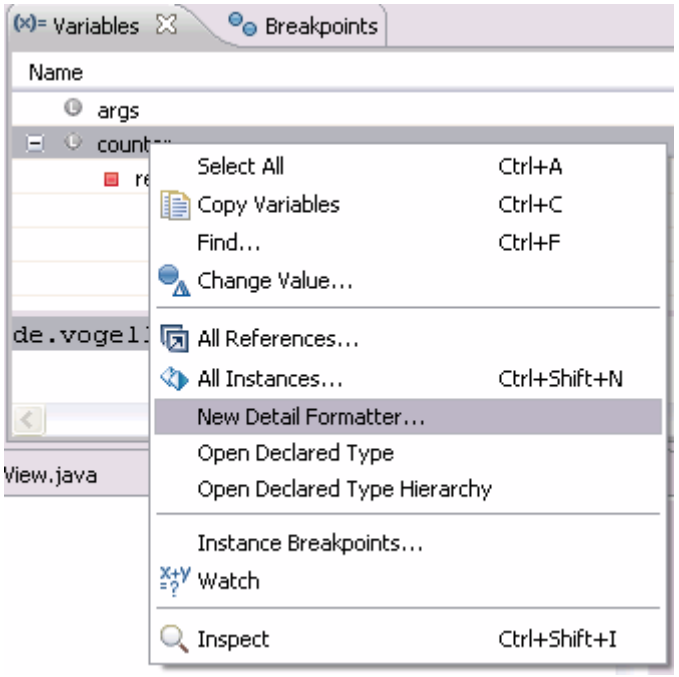

Variables
Breakpoints
Name
Value
args
counter
result
0
Layout
Java
Show Constants
Show Static Variables
Show Qualified Names
Show Null Array Entries
Show References
Java Preferences...
de.vogella.debug.first.Counter@587c94

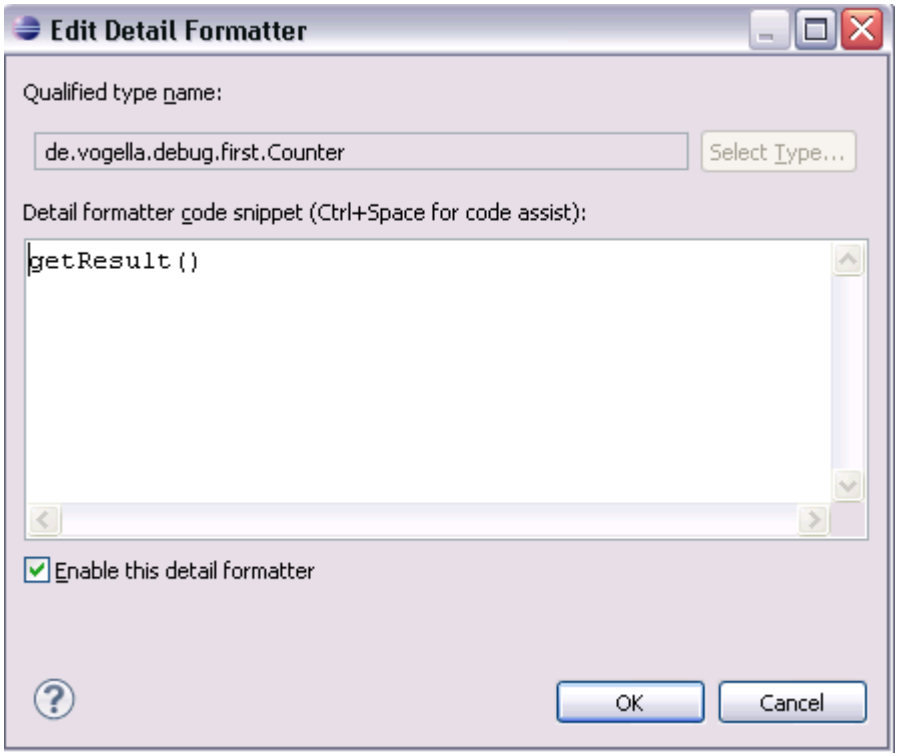

Vertical View Orientation
Horizontal View Orientation
Variables View Only
Show Columns
Select Columns...
Layout
Java

Modificação de Variáveis

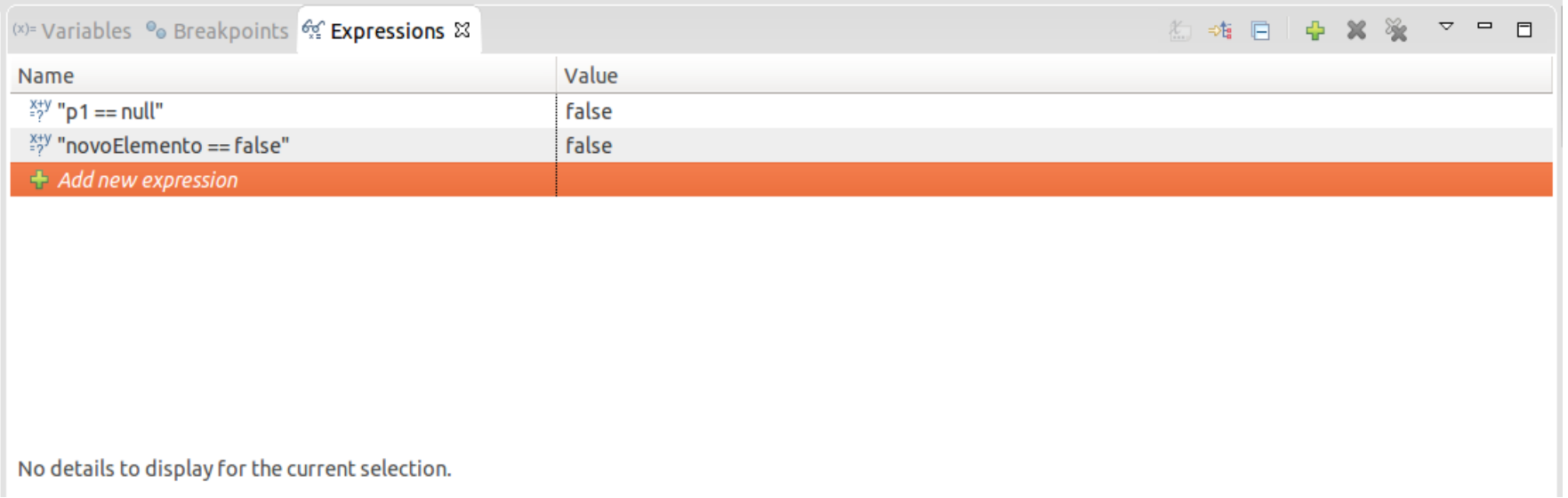


Visualização de Variáveis



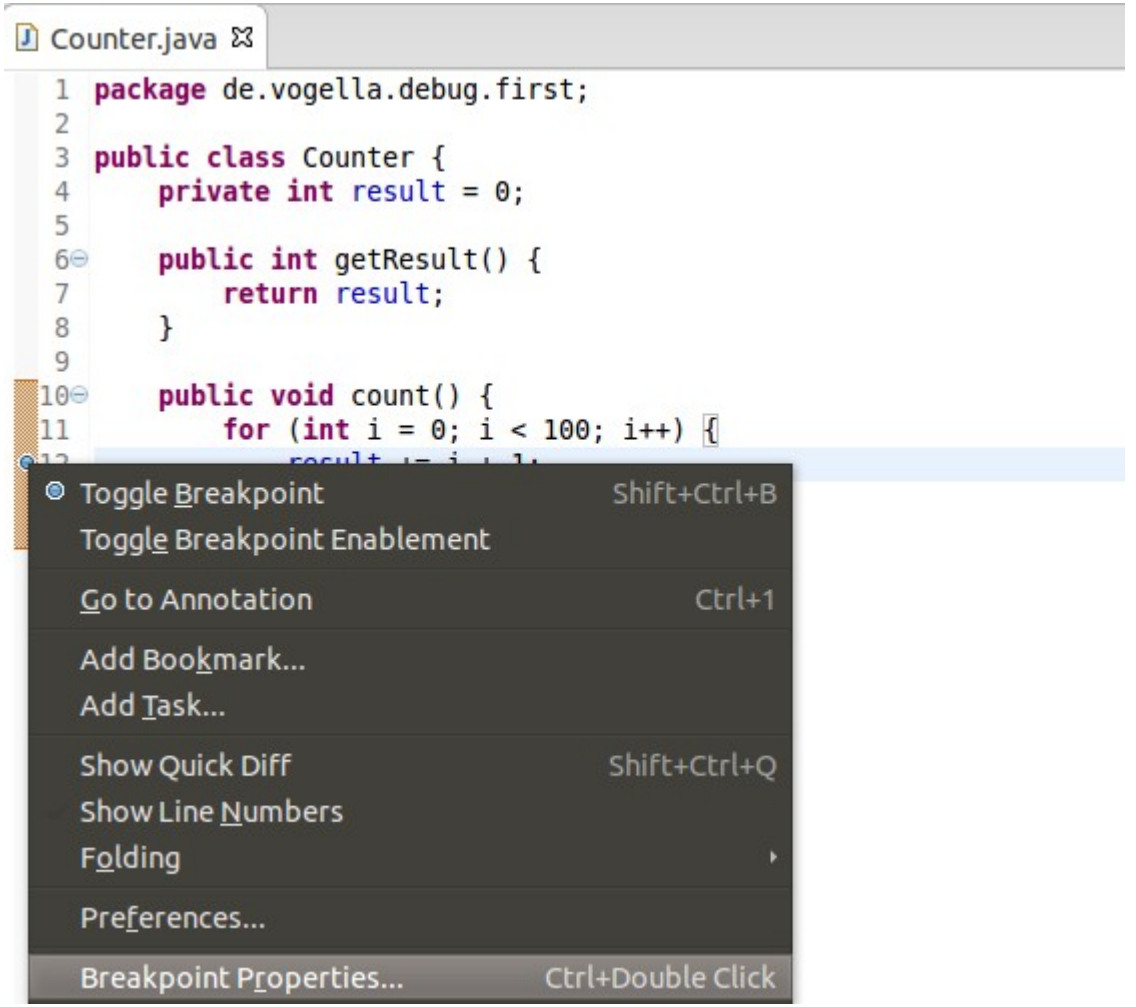


Expressões


Variables
Breakpoints
Expressions
Name
Value
"p1 == null"
false
"novoElemento == false"
false
Add new expression
No details to display for the current selection.

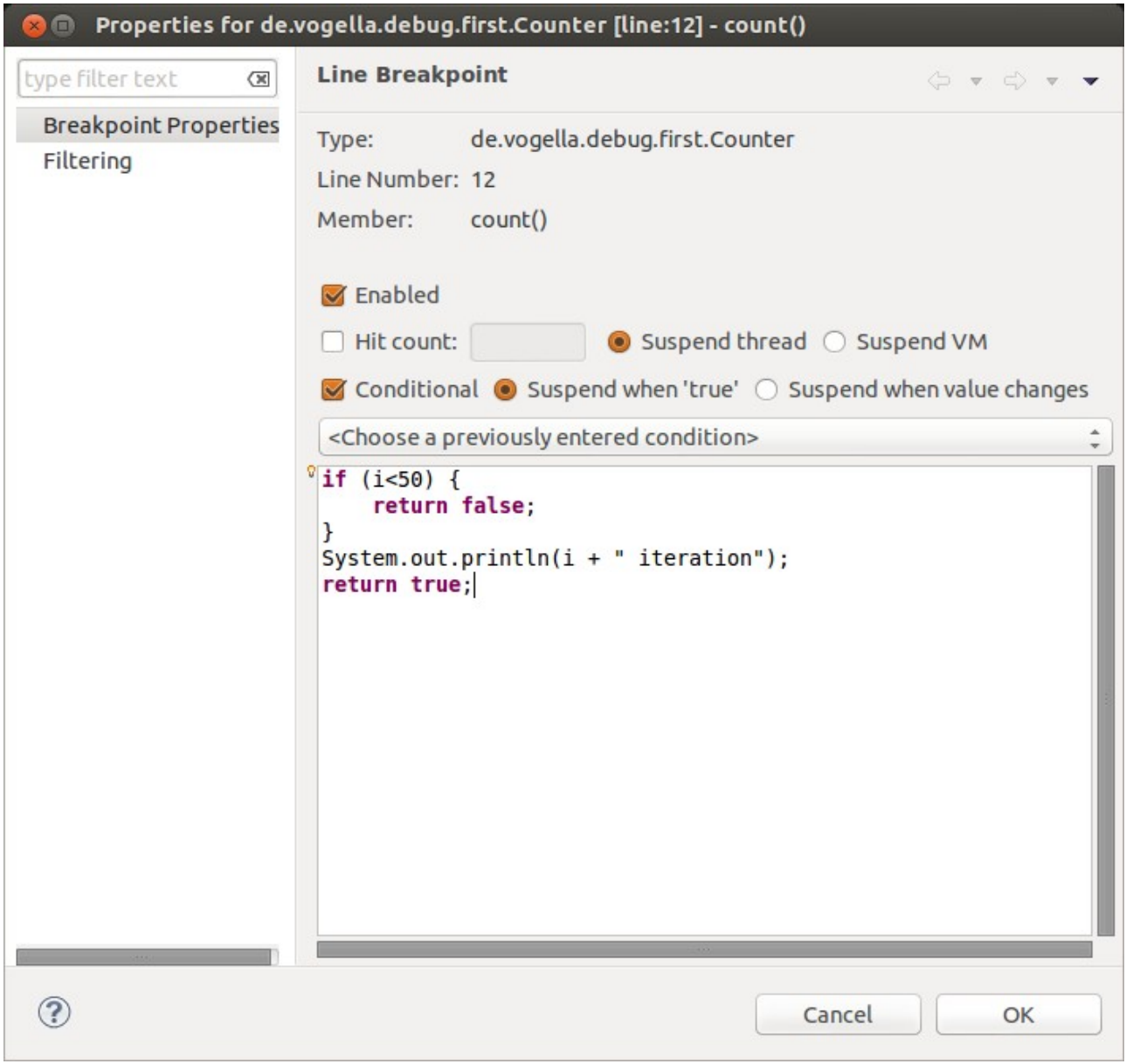
Propriedades do Breakpoint

- Condições



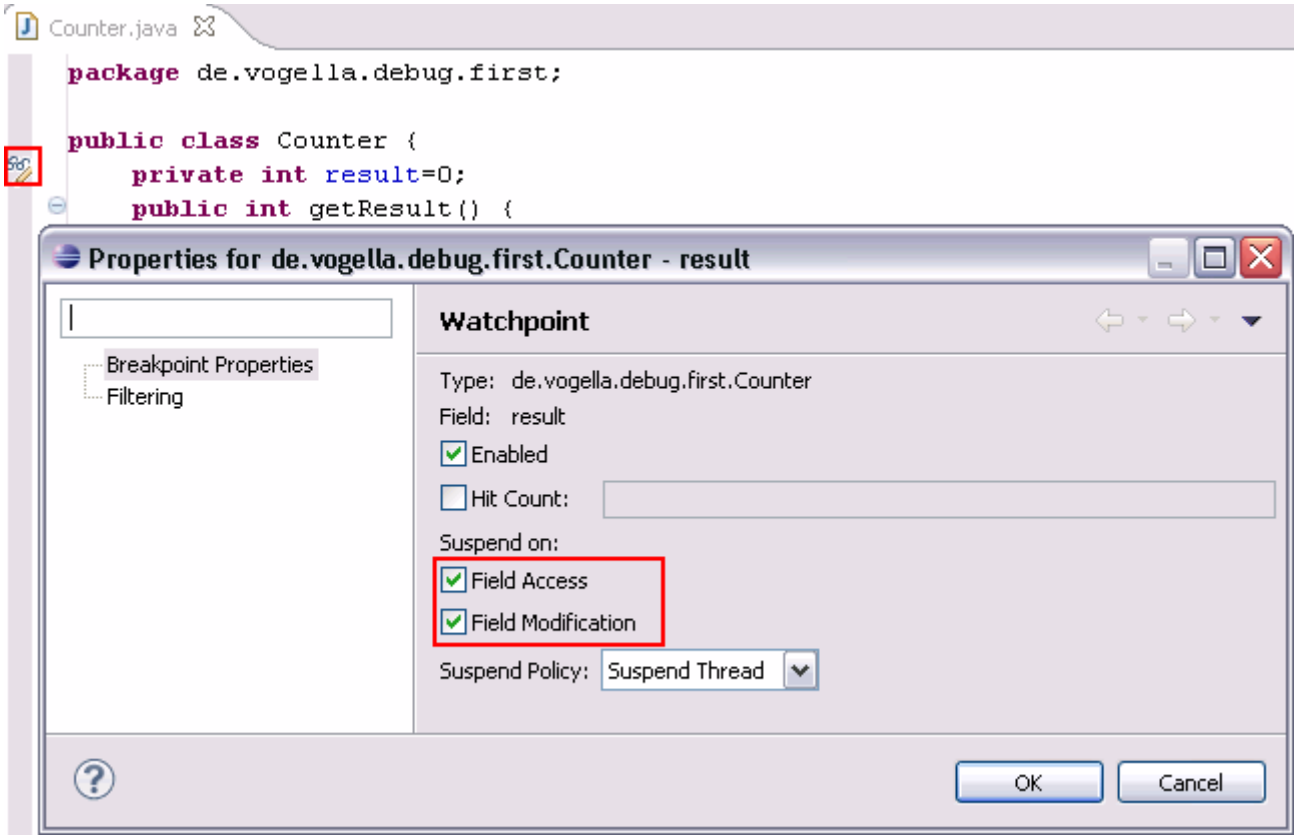
Propriedades do Breakpoint

- Condições

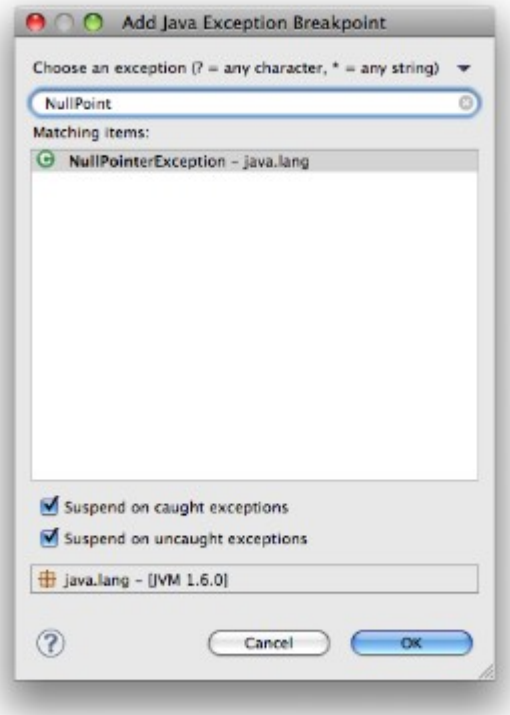


Propriedades do Watchpoint

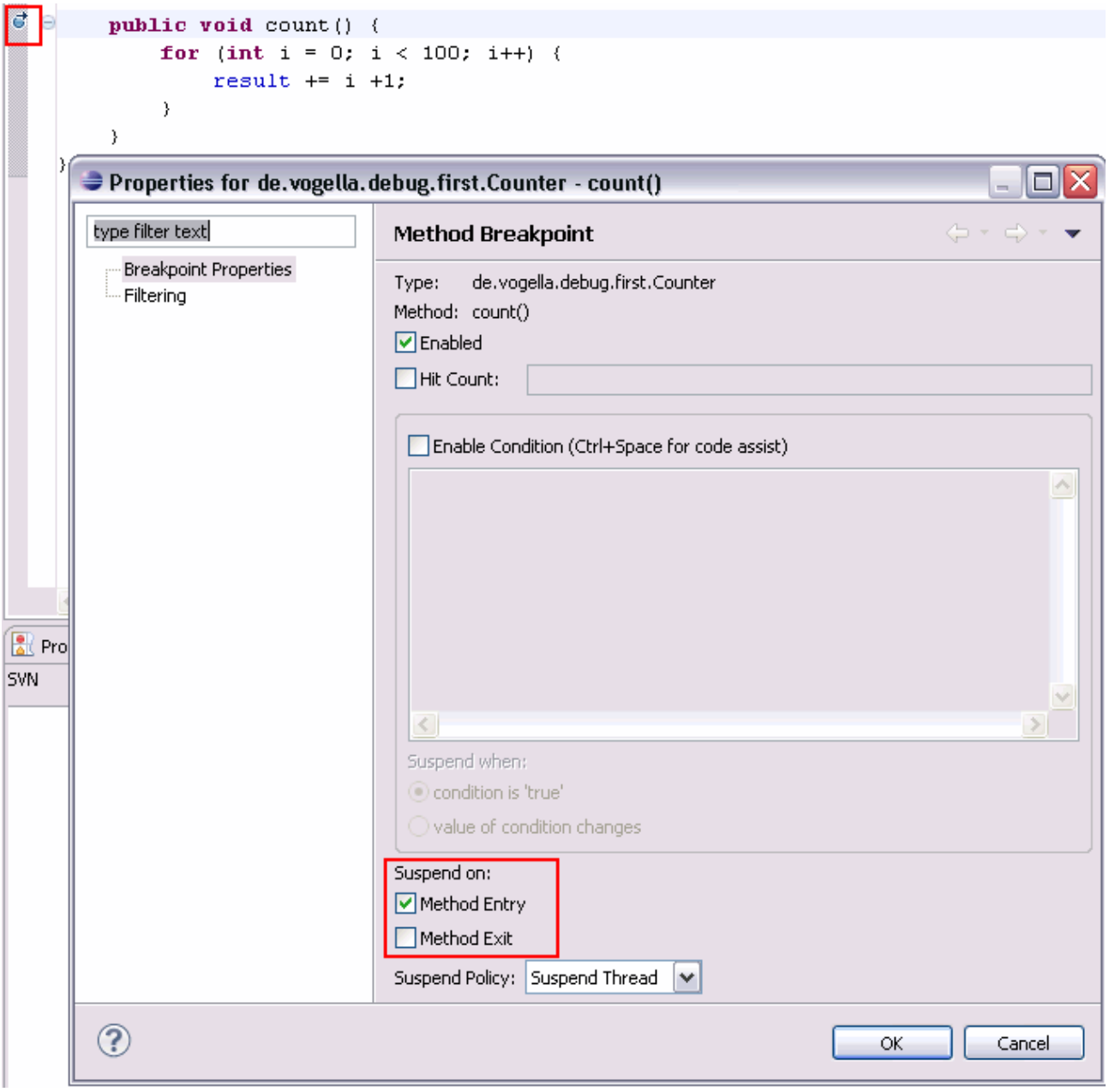
- Watchpoint: um breakpoint definido em um campo



Exception Breakpoints

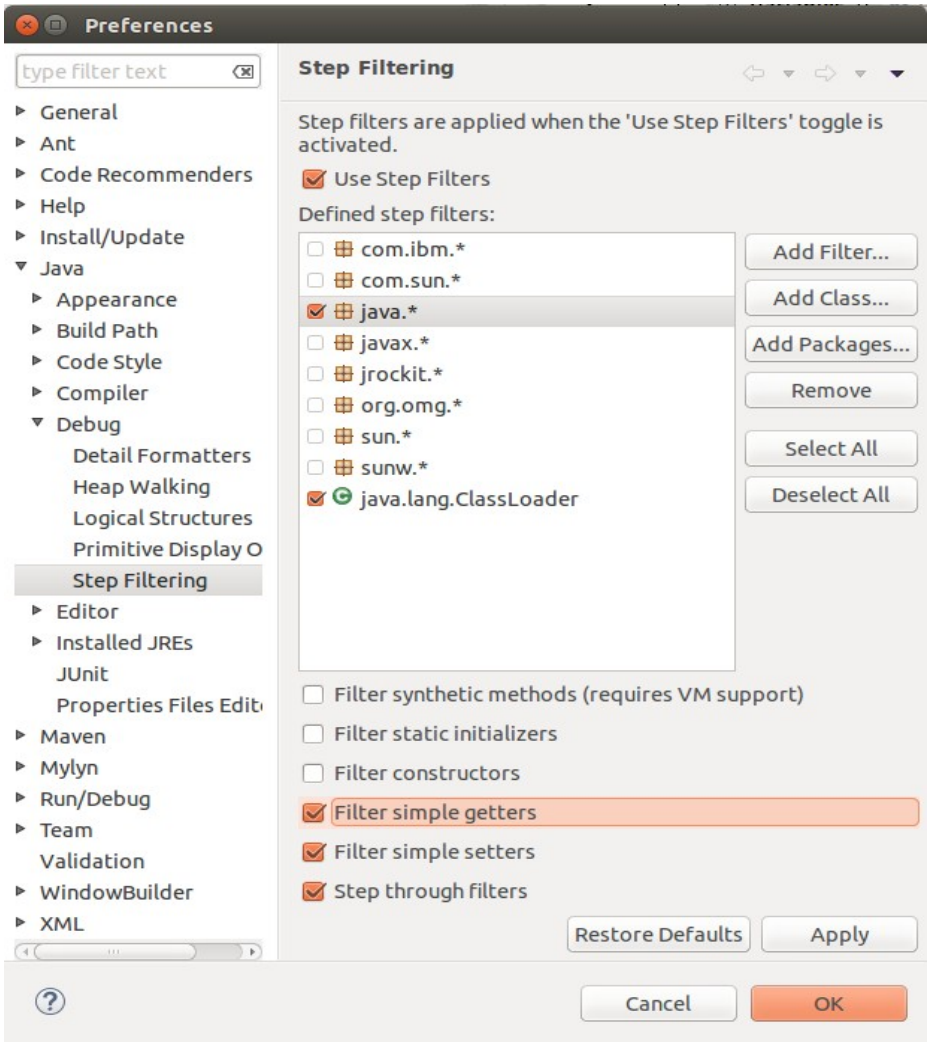


Method Breakpoints



Step Filter

- Window → Preferences → Java → Debug → Step Filtering



Referência

Java Debugging with Eclipse – Tutorial

http://www.vogella.com/tutorials/EclipseDebugging/article.html

Apostila Java e Orientação a Objetos. Apêndice - Debugging.

http://www.caelum.com.br/apostila-java-orientacao-objetos/apendice-debugging/