Computer Networks SS07: Eclipse Introduction

1. Starting Eclipse

……/eclipse/eclipse.exe   (Windows)
……/eclipse/eclipse &   (Linux)

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2. Workspace

Make it a subdirectory of your home. A workspace contains projekt-, source- und class-Files (and some metadata)

it's possible to have several workspaces.

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3. Create a new projekt

File -> New -> Project…

Java Project -> Next -> ……

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4. Create a new class

File -> New -> Class

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5. Create a new package

File -> New -> Package

Move classes by drag & drop

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6. Code completion

a. Automagically after writing a dot
b. Manually by pressing Ctrl + Space

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7. Compiling code and running applications

 -> Run…

Java Application -> New

check Main and calling arguments

Run

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8. Warnings & Errors

Warnings (orange) and Errors (red) are shown as markers on the left side of the editor window.

=> click them to get a quick fix proposal

9. Break Points

Toggle: double-click the left border of the editor window.

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10. Debug

 -> Debug... -> Debug

=> Debug Perspective

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11. Attaching the Java source code in Eclipse

F3 on a standard Java Method -> Attach Source... (if not already done before)

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12. Importing projects

File -> Import -> Existing Project into Workspace

Select archive file

Finish

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13. Exporting projects to JARs

File -> Export -> Archive file

To archive file

Finish

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14. Window Preferences

Window -> Preferences

search preference keys in the "type filter text" box.

15. Most frequent shortcuts

a. Organize Import
Ctrl+Shift+o

b. Formal Method Parameter
Ctrl+Space

c. Show JavaDoc
F2

d. Show Implementation
F3

e. Quick Fix (for Warnings/Problems)
Ctrl+1

f. Run
F11

g. Auto Indent
Ctrl+a Ctrl+i

h. Auto Format
Ctrl+Shift+i

i. Toggle Comment
Ctrl+7

j. Build Project (if auto build is disabled)
Ctrl+b