

LAB guidelines (Eclipse)



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Setup

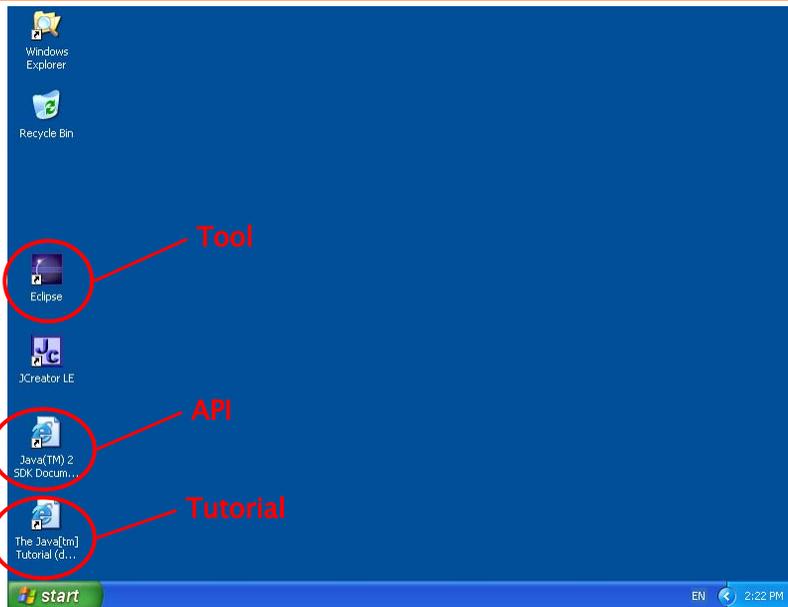
- Is there a desktop link to the Java documentation?
 - ♦ Skip this slide
- Check whether Java tool are already installed
- Click on the “Add or Remove Programs” desktop icon
- Open the “Add New Program” tab
- Select and install “Java 2 SDK ...”

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Installed base

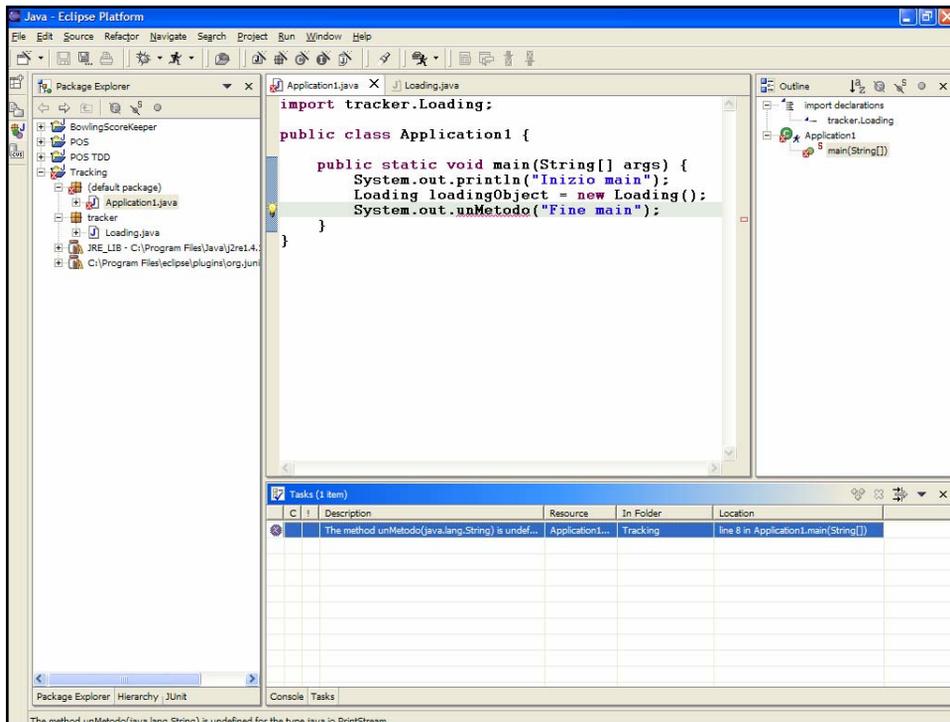
- Windows 2000 PCs
 - ◆ Java 2 SDK, SE 1.4
 - ◆ Eclipse 3.1

Desktop



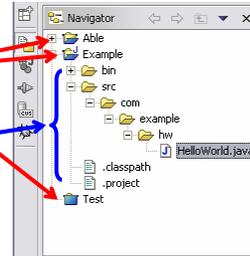
Introduction

- Eclipse is an open and extensible platform to develop IDEs (Integrated Development Environment)
- Developed by eclipse.org consortium, whose prospective members are
 - ◆ Borland, IBM, Rational, Red Hat

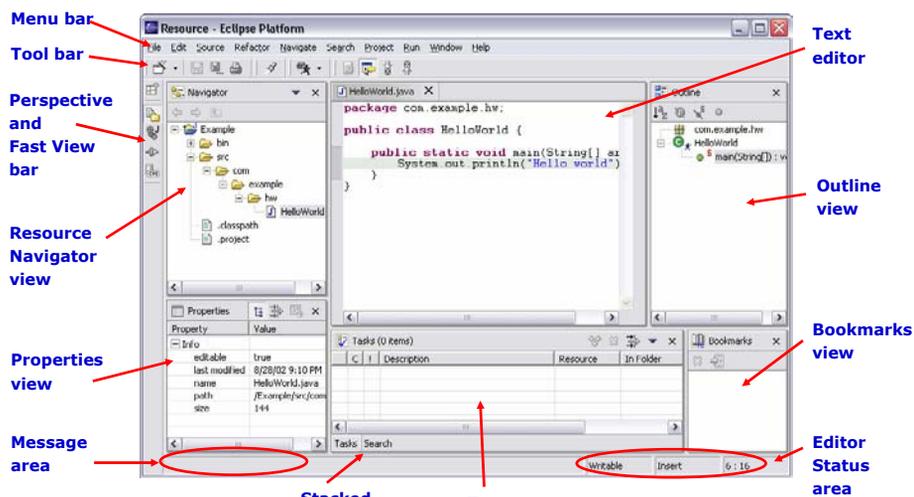


Workspace components

- Material is organized in a **workspace**
- A workspace contains one or more top-level **projects**, corresponding to file-system folders
- **Tree-like** structure
- Files, Folders, and Projects are called **resources**

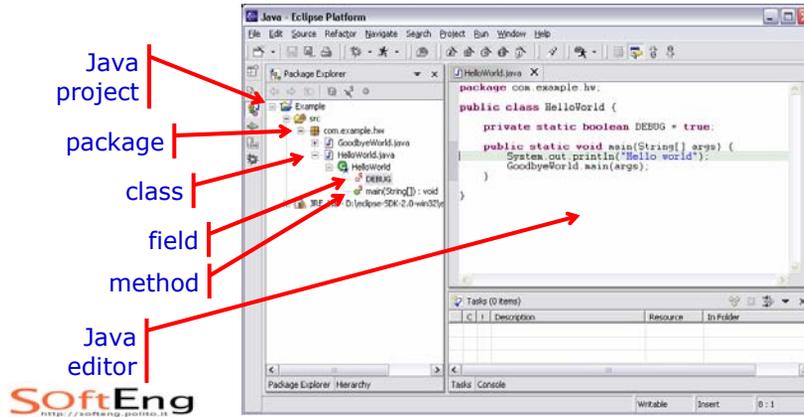


Workbench Terminology



Java Perspective (1)

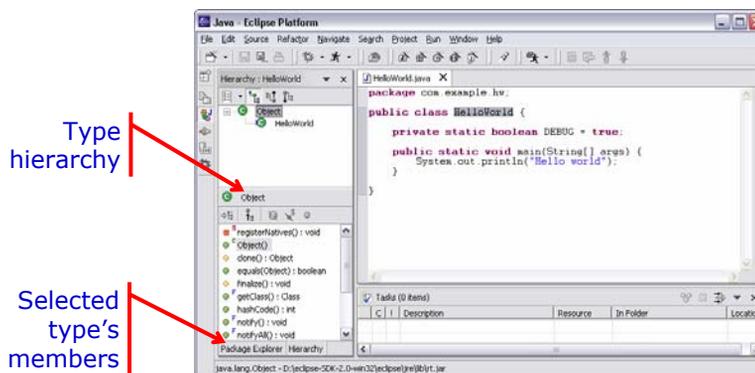
- View focusing on elements meaningful to Java programmers (packages, classes, methods, attributes, etc.)



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Java Perspective (2)

- Let the developer browse the class hierarchy

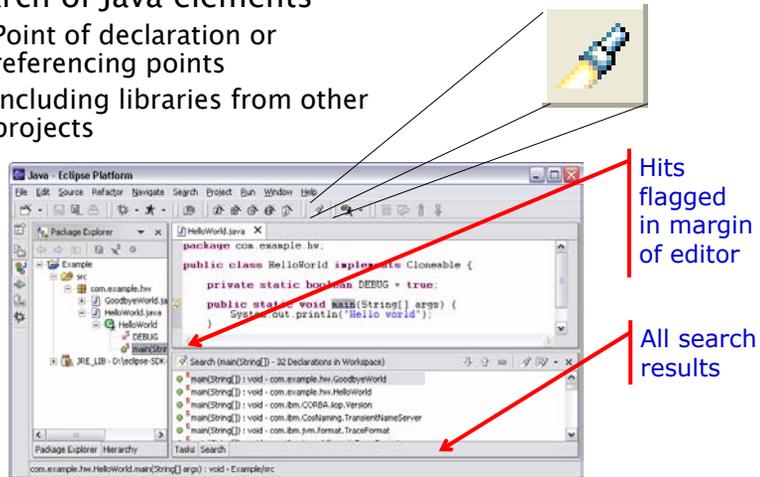


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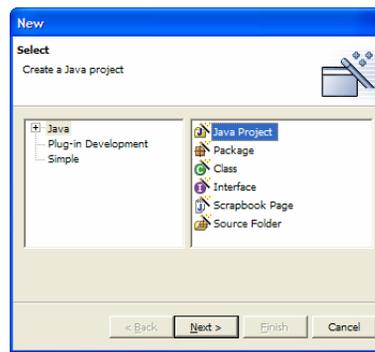
Java Perspective (3)

- Search of Java elements
 - ♦ Point of declaration or referencing points
 - ♦ Including libraries from other projects



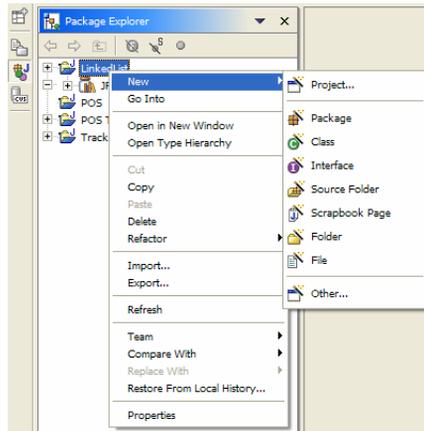
New project

- File menu
 - ♦ New Project
- Select “Java Project”
- Type project name
- Finish



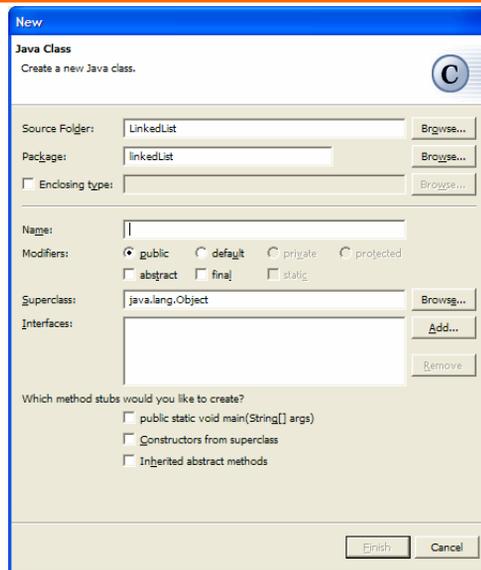
New package

- Right-click on project
- New >



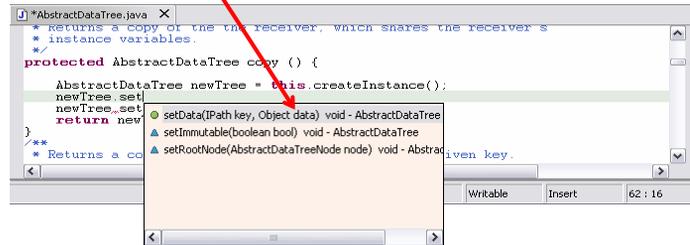
New class

- Right-click on package
- New >
- Type class name
- Finish



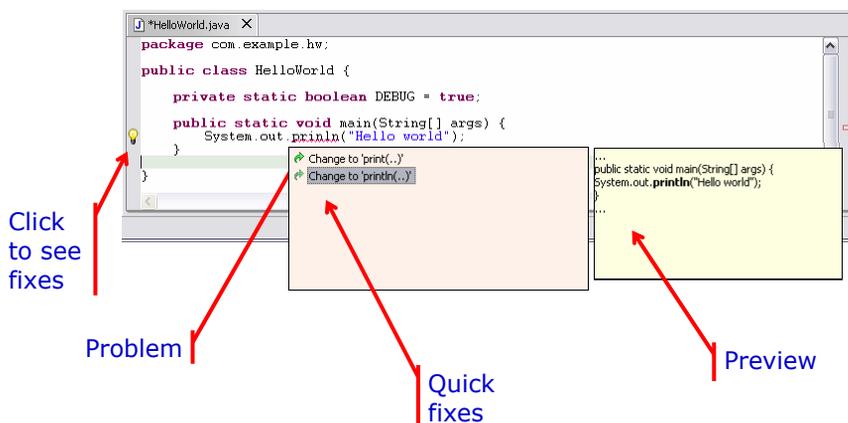
Editor – Method auto-completion

List of available methods



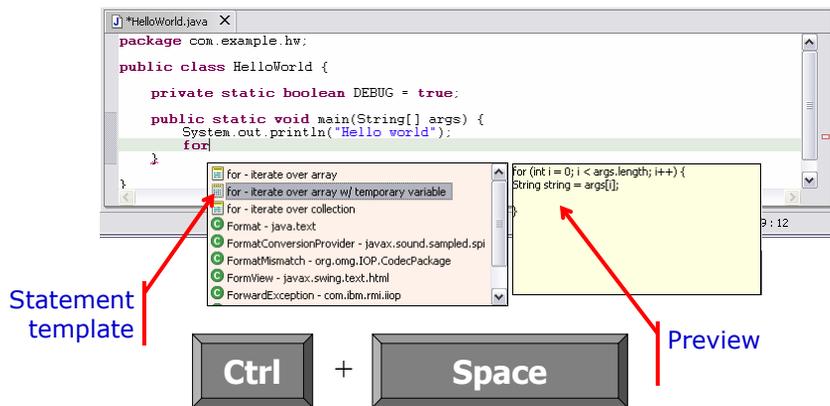
Java Editor

- On-the-fly syntactic check



Java Editor

- Code templates quicken the writing of common code fragments (e.g., for loops)



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How to compile/run

- Compilation is transparent to the user
 - Whenever files are saved 
- Program are executed with the following button 
 - Output console is opened automatically

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