

Java核心技术

第二章 Java环境搭建和程序初体验 第三节 Eclipse配置和调试 华东师范大学 陈良育

Eclipse(1)

NORMAL CHINERSITY WAR RE SELF-

- · 双击eclipse.exe, 首先进入工作空间配置
 - 如果输入不同的地址,将进入不同的workspace

Workspace	Launcher	ΣΣ
Select a work	rspace	
	es your projects in a folder called a workspace. Orkspace folder to use for this session.	
Workspace:	d:\java\source	▼ Browse
Use this a	s the default and do not ask again	
		OK Cancel

Eclipse(2)

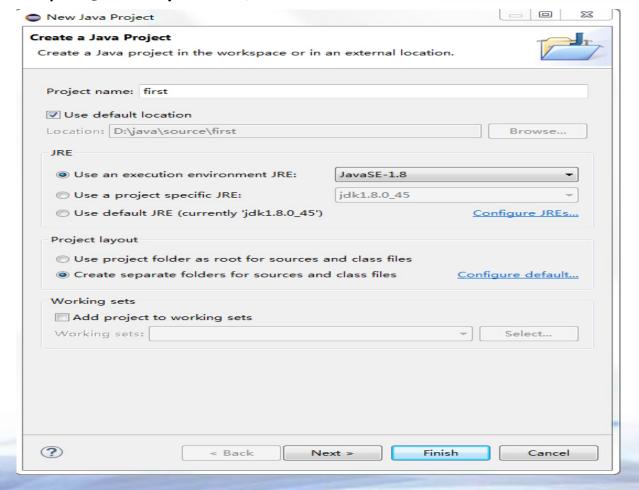
· 正常IDE界面





Eclipse(3)

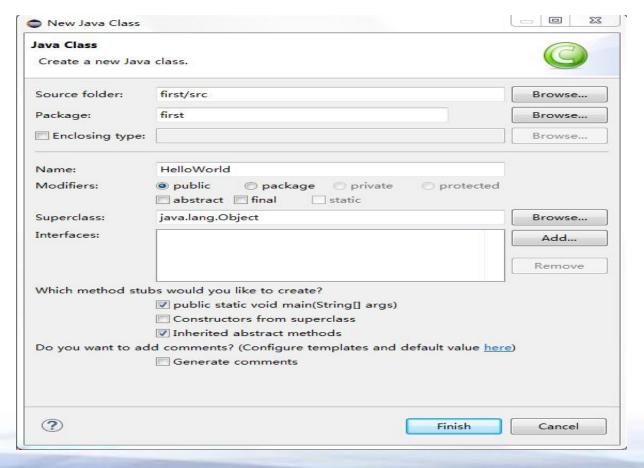
·新建一个工程first





Eclipse(4)

·右击first项目的src目录,新建一个class

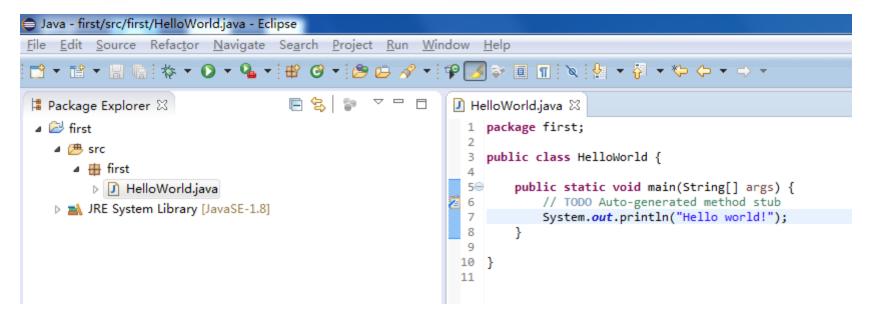




Eclipse(5)



· 输入HelloWorld程序内容



Eclipse(6)

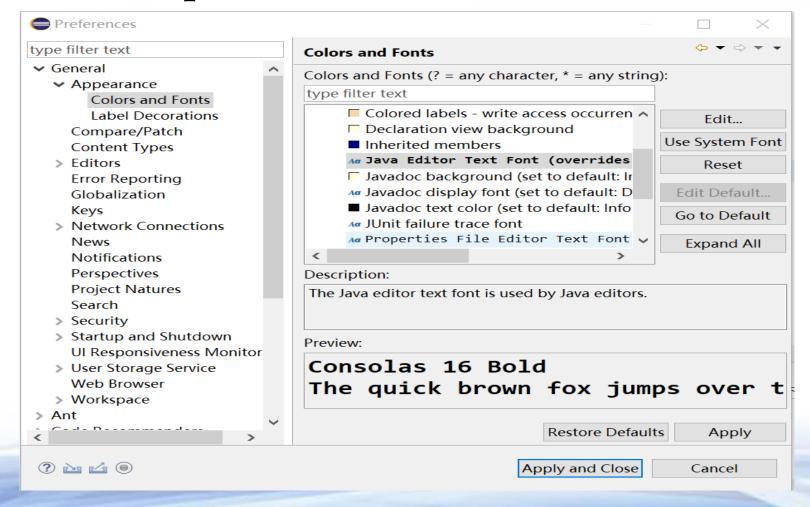


• Eclipse的主要配置界面Windows->Preference

Preferences	
type filter text	General ⇔ ▼ ⇒ ▼ ▼
 General Ant Code Recomme Gradle Help Install/Update Java Maven Mylyn Oomph Run/Debug Team Validation XML 	✓ Always run in background ☐ Keep next/previous editor, view and perspectives dialog open ☐ Show heap status Workbench save interval (in minutes): 5 Open mode ⑥ Double click ☐ Single click ☐ Select on hover ☐ Open when using arrow keys Note: This preference may not take effect on all views
< >	Restore Defaults Apply
? 🗠 🚄 😑	Apply and Close Cancel

Eclipse(7)

·调整Eclipse编程界面的字体大小





Eclipse(8)



·调整Eclipse以显示程序行号

type filter text	Text Editors			← ←	> 🔻 🔻
➤ General ^	Some editors may not honor all of these settings.				^
Compare/Patch Content Types	See <u>'Colors and Fonts'</u> to configure the font.				
→ Editors	<u>U</u> ndo history size:	200			
Autosave	Displayed tab width:	4			
File Associations	Insert spaces for tabs				
> Structured Text Editors	✓ Highlight current line				
> Text Editors	Show print margin				
Error Reporting Globalization	Print margin column:	80			
Keys	Allow editors to override the margin column				
> Network Connections	Show line numbers				
News	✓ Show the numbers ✓ Show range indicator				
Notifications		3			
Perspectives	☐ Show whitespace characters (configure visibility) ✓ Show affordance in hover on how to make it sticky				
Project Natures					
Search	When mouse moved into hover:	Enrich after delay	~		
> Security	✓ Enable drag and drop of text				
> Startup and Shutdown	✓ Warn before editing a derived file				
UI Responsiveness Monitor	✓ Smart caret positioning at line start and end				
> User Storage Service Web Browser	Appearance color options:				
> Workspace	Line number foreground	Color:			
> Ant	Current line highlight				
> Code Recommenders	Print margin				
Gradle	Find scope Selection foreground color				
> Help	Selection background color				
> Install/Update	Background color				
> Java	Foreground color				
> Maven	Hyperlink				
< >					~

Eclipse(9)



·调整Eclipse自动保存时间和默认文本编码

Preferences		- ×
type filter text	Workspace	
➤ General ➤ Appearance Compare/Patch Content Types ➤ Editors Error Reporting Globalization Keys ➤ Network Connections News Notifications Perspectives Project Natures Search	See 'Startup and Shutdown' for workspace startu Refresh using native hooks or polling Refresh on access Always close unrelated projects without prom Workspace save interval (in minutes): 1 Window title Show workspace name: EclipseSource Show perspective name Show full workspace path: F:\chenly\Engined	npt
 Security Startup and Shutdown UI Responsiveness Monitor User Storage Service Web Browser Workspace 	Open referenced projects when a project is ope Report unknown project nature as: Command for launching system explorer: explo	Warning V
 Ant Code Recommenders Gradle Help Install/Update Java 	Text file encoding • Default (GBK) Other: GBK	New text file line delimiter • Default (Windows) Other: Windows Restore Defaults Apply
? L		Apply and Close Cancel

Eclipse(10)

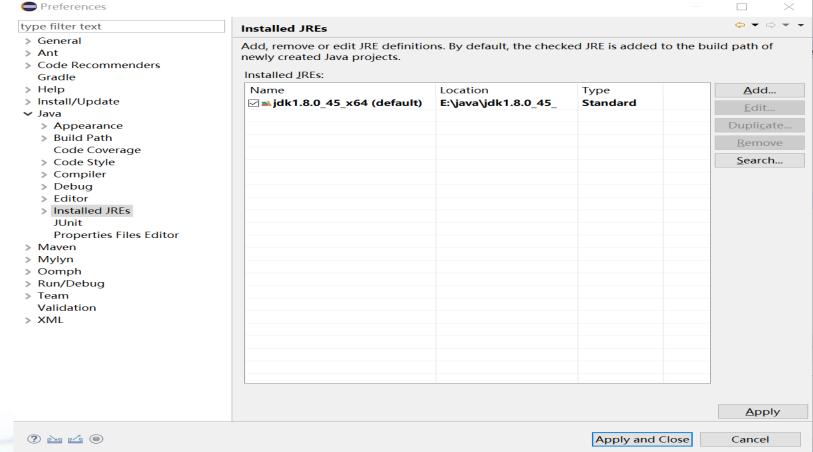


·调整Eclipse默认编译级别

Compiler		> -
Configure Project S JDK Compliance Compiler compliance level: Use 'release' option Use default compliance settings Generated .class files compatibility: Source compatibility: Disallow identifiers called 'assert': Disallow identifiers called 'enum': Classfile Generation ✓ Add variable attributes to generated class files (used by the debugger) ✓ Add source file name to generated class file (used by the debugger) ✓ Preserve unused (never read) local variables ✓ Inline finally blocks (larger class files, but improved performance) Store information about method parameters (usable via reflection)	1.8 1.8 1.8 Error Error	ttings
Restore <u>D</u> efaults	App	iy
	Configure Project Sp JDK Compliance Compiler compliance level: Use 'release' option Use default compliance settings Generated .class files compatibility: Source compatibility: Disallow identifiers called 'assert': Disallow identifiers called 'enum': Classfile Generation Add variable attributes to generated class files (used by the debugger) Add line number attributes to generated class files (used by the debugger) Add source file name to generated class file (used by the debugger) Preserve unused (never read) local variables Inline finally blocks (larger class files, but improved performance)	JDK Compliance Compiler compliance level: Use 'release' option Use default compliance settings Generated .class files compatibility: Disallow identifiers called 'assert': Disallow identifiers called 'enum': Classfile Generation Add variable attributes to generated class files (used by the debugger) Add Jine number attributes to generated class file (used by the debugger) Add source file name to generated class file (used by the debugger) Preserve unused (never read) local variables Inline finally blocks (larger class files, but improved performance) Store information about method parameters (usable via reflection)

Eclipse(11)



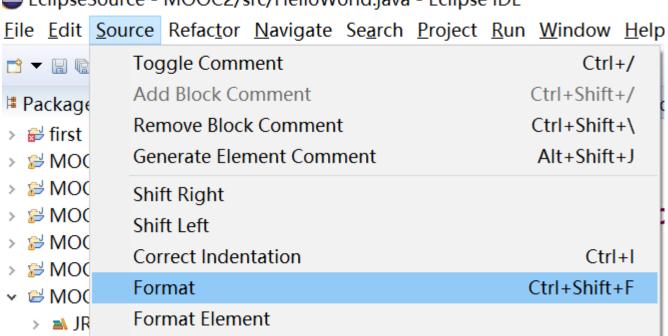




Eclipse(12)

• 格式化代码

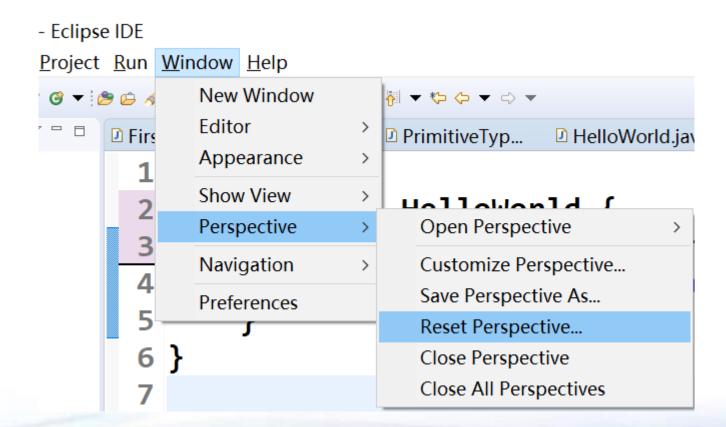
EclipseSource - MOOC2/src/HelloWorld.java - Eclipse IDE





Eclipse(13)

• 重置窗口布局





Eclipse(14)



• 双击第五行行首(蓝色区域),可以设置断点

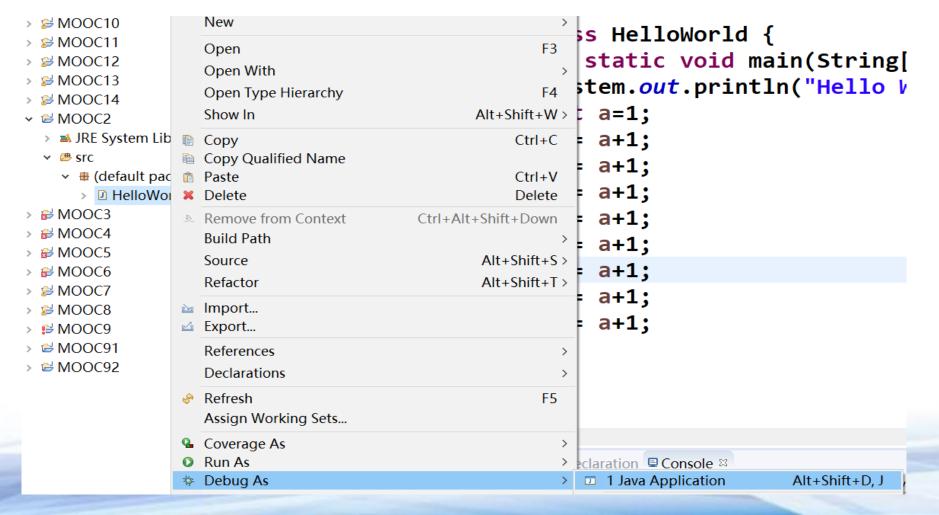
```
☑ Second.java ☑ PrimitiveTyp... ☑ HelloWorld.java ☑ StringTest.java

☑ IfElse

☑ First.java
 1
 2 public class HelloWorld {
        public static void main(String[] args) {
             System.out.println("Hello World!");
             int a=1;
             a = a+1;
             a = a+1;
             a = a+1;
            a = a+1;
10
            a = a+1;
11
             a = a+1;
12
       a = a+1;
13
             a = a+1;
14
15 }
16
```

Eclipse(15)

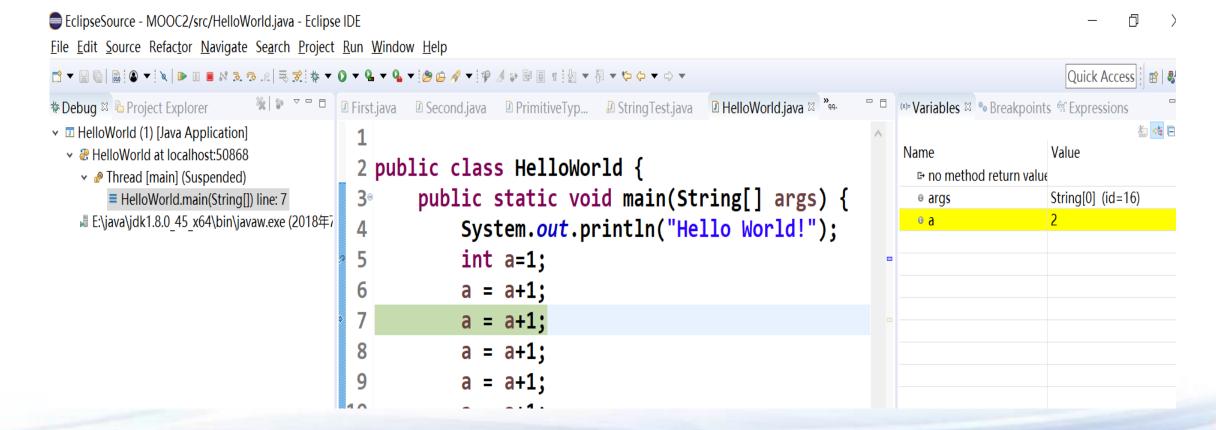
·设置断点后,右键程序,选择Debug运行进入调试



Eclipse(16)



• 单步调试程序, 查看中间变量值



Eclipse(17)

NORMAL CHANGE OF THE PARTY OF T

- 总结
 - 界面设置和调整
 - -JDK管理和代码编译
 - -程序单步调试
 - 推荐: 极客学院的Eclipse的教程
 - http://wiki.jikexueyuan.com/project/eclipse/



谢 谢!