Lab 01 Hello Java!

Software Studio NetDB, CS, NTHU Fall, 2013

- Introduction
- Say Hello to Java using command-line
- Setting Up Eclipse
- Say Hello to Java using Eclipse
- Today's Mission

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Lab?

- A small lecture by TAs first
- Then get your hands dirty!
 - You have to finish it in the class
- Lab slides are available in the course website
 - http://netdb-ss.appspot.com/

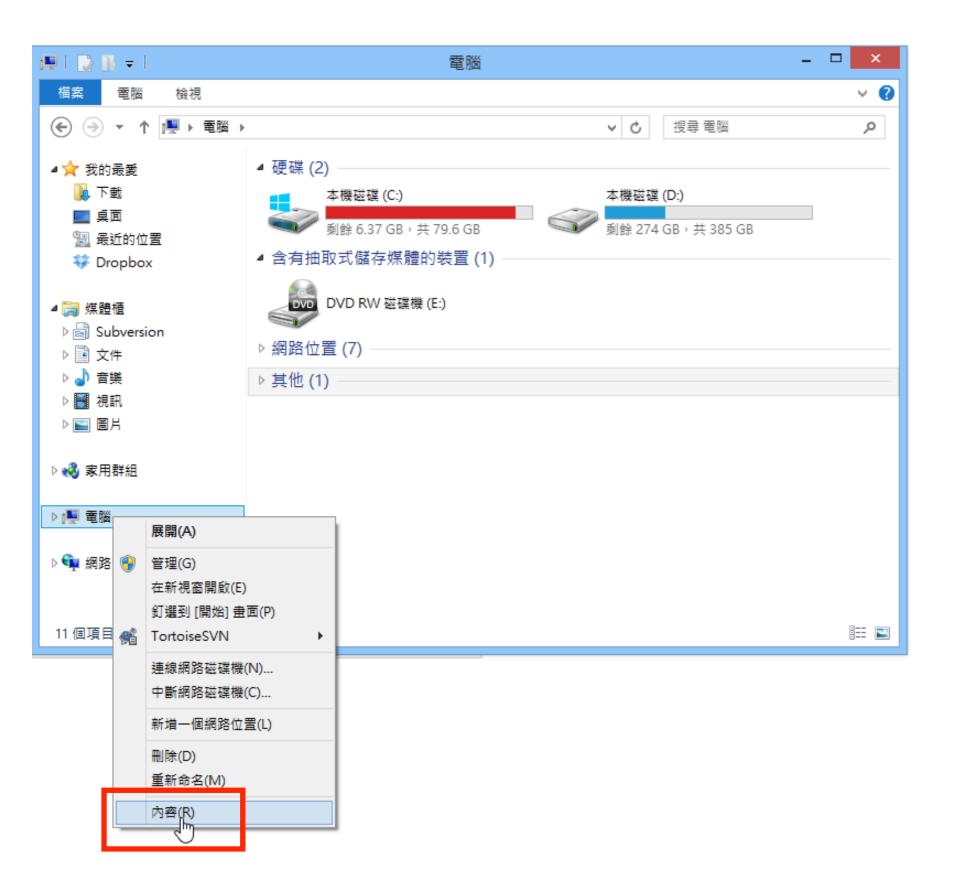
Grading

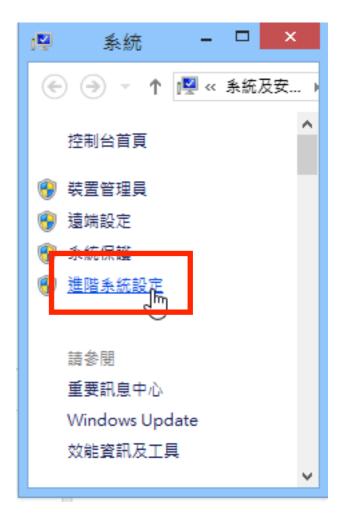
- 2 points for each lab
 - Attendance: 1 point
 - Assignment: 1 point
- Write your student ID on the whiteboard whenever you want to reach TAs

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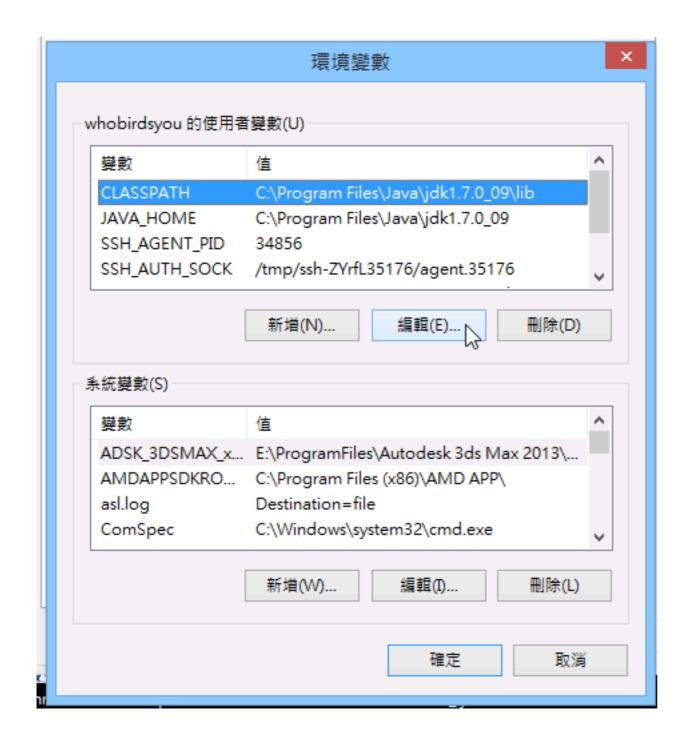
Running a Java Program

- 1. Set the path to Java's directory
- 2. Prepare the .java file
- 3. Compile the source code
- 4. Run it!

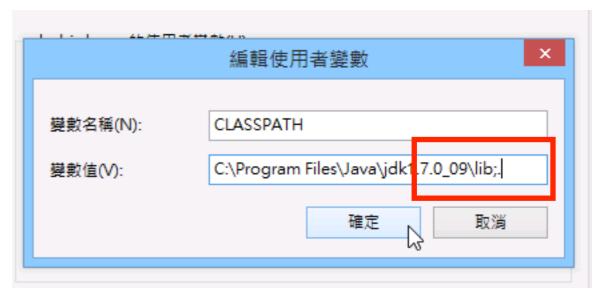




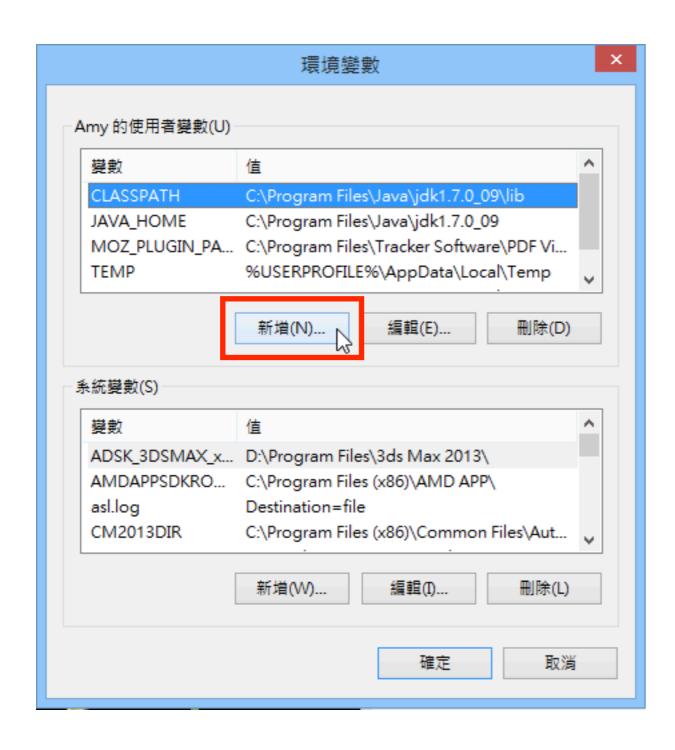




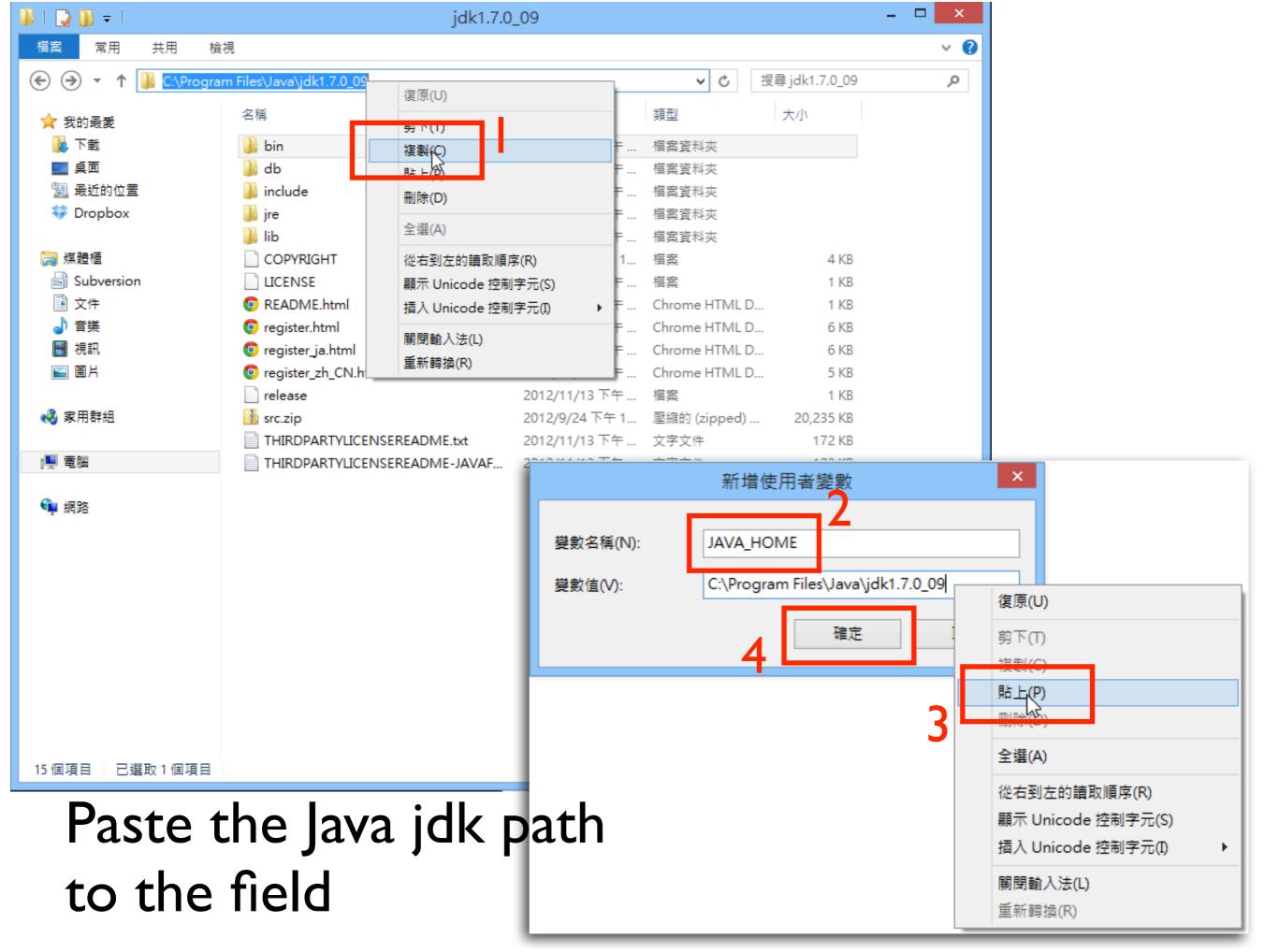
Edit the CLASSPATH

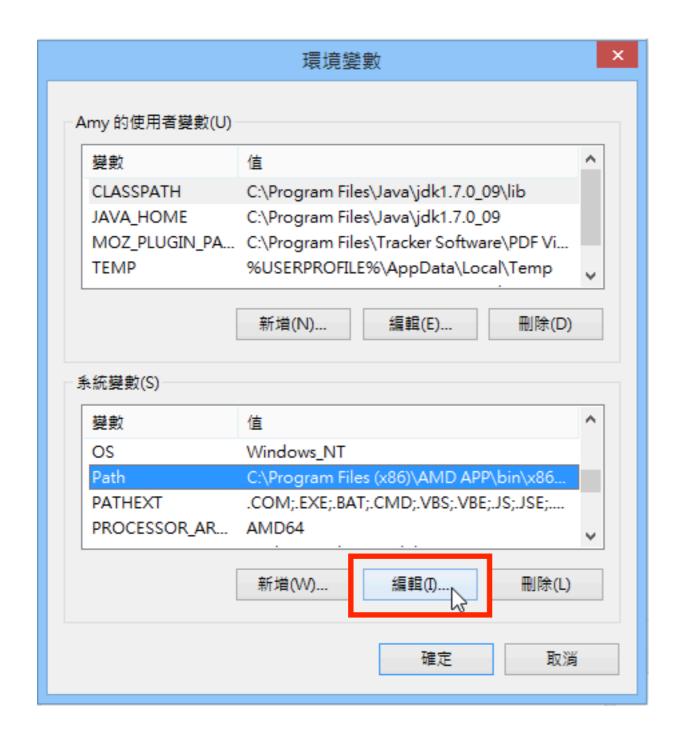


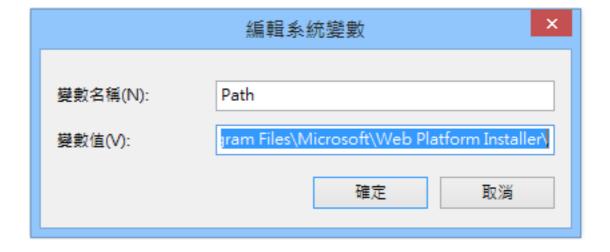
2 Add '; ' to the value

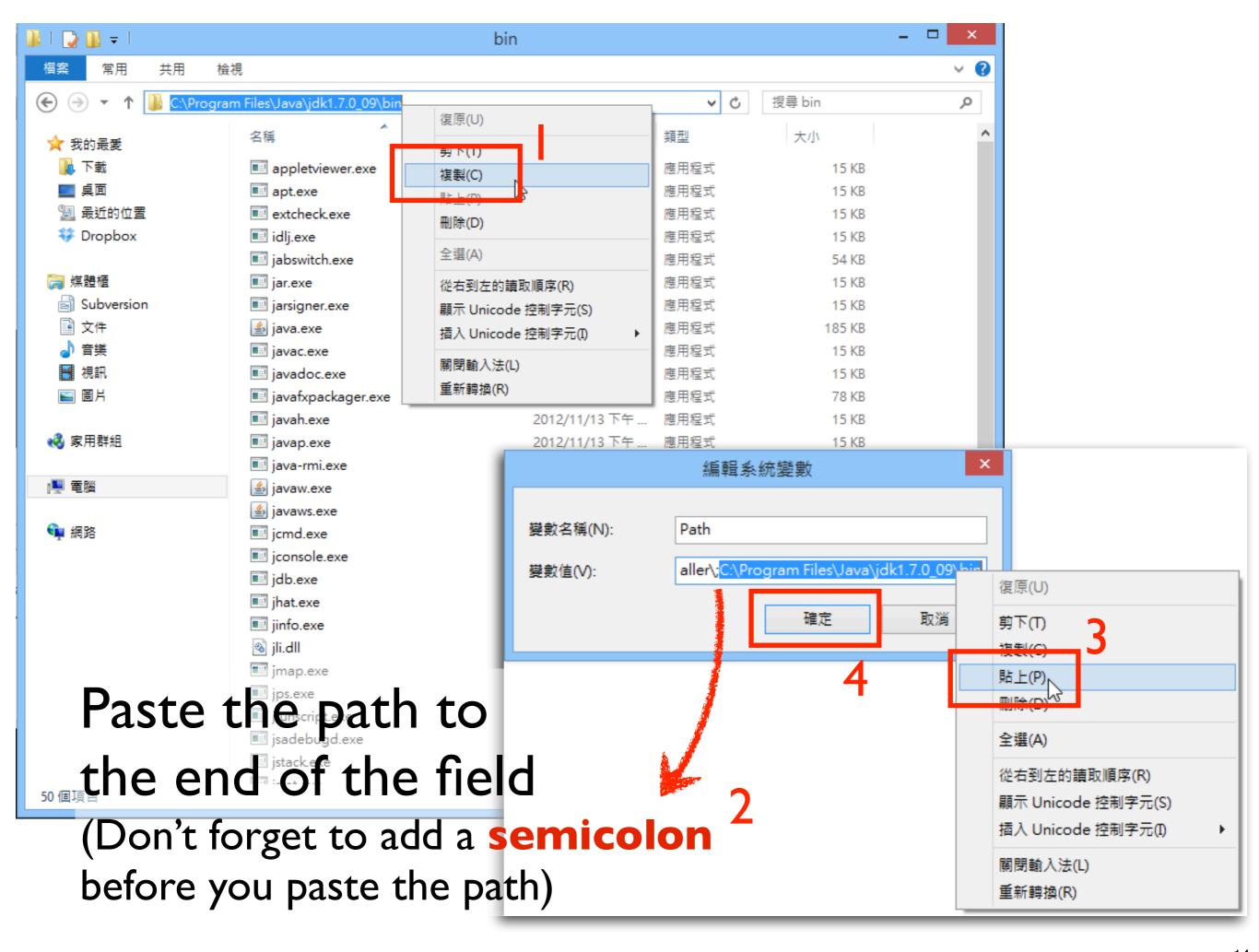












Check if Java is Ready

Go to command-line and type:

```
javac -version
java -version
```

```
C:\Users\Keith\Desktop\java>javac -version
javac 1.7.0_09
C:\Users\Keith\Desktop\java>java -version
java version "1.7.0_09"
Java(TM) SE Runtime Environment (build 1.7.0_09-b05)
Java HotSpot(TM) Client VM (build 23.5-b02, mixed mode, sharing)
```

```
public class HelloJava {
    public static void main(String args[]){
        System.out.println("Hello Java !");
    }
}
```

Create a file named HelloJava.java

Compile an Run

```
javac HelloJava.java
java HelloJava
```

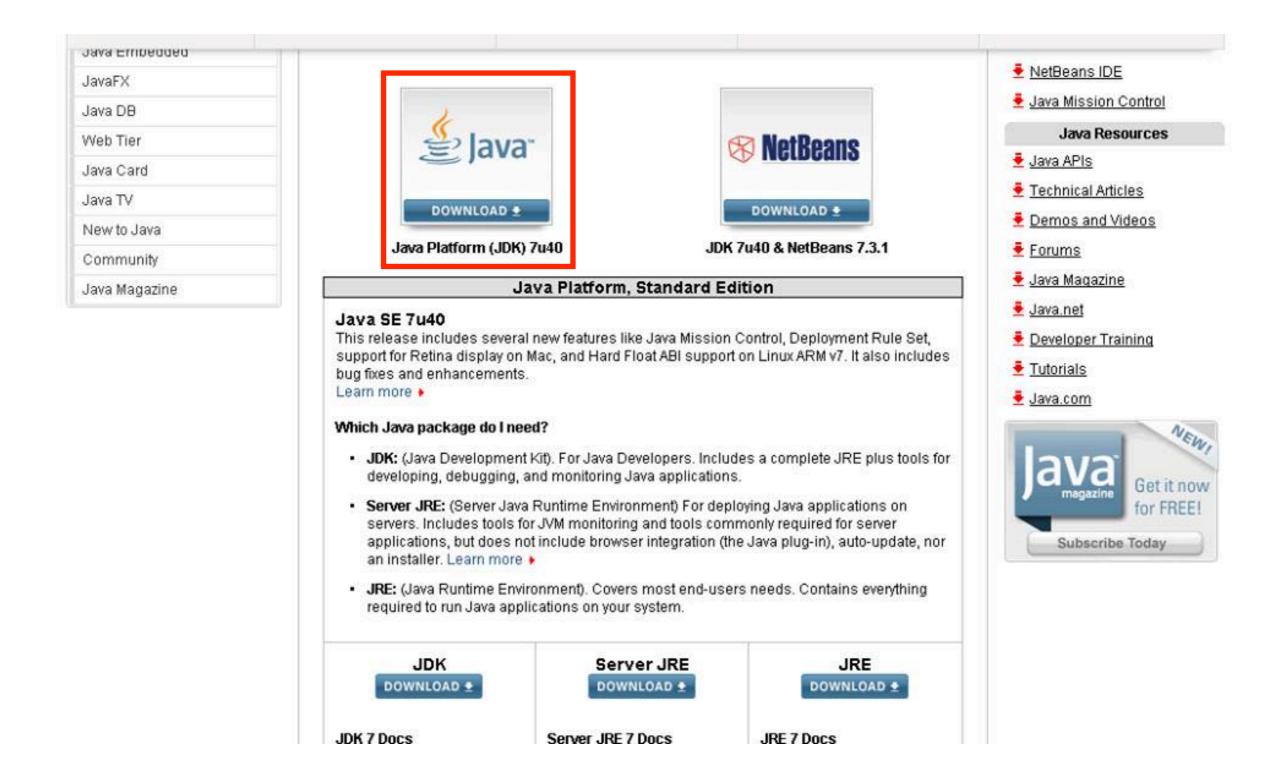
```
C:\Users\Keith\Desktop\java>javac HelloJava.java
C:\Users\Keith\Desktop\java>java HelloJava
Hello Java!
C:\Users\Keith\Desktop\java>
```

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Java

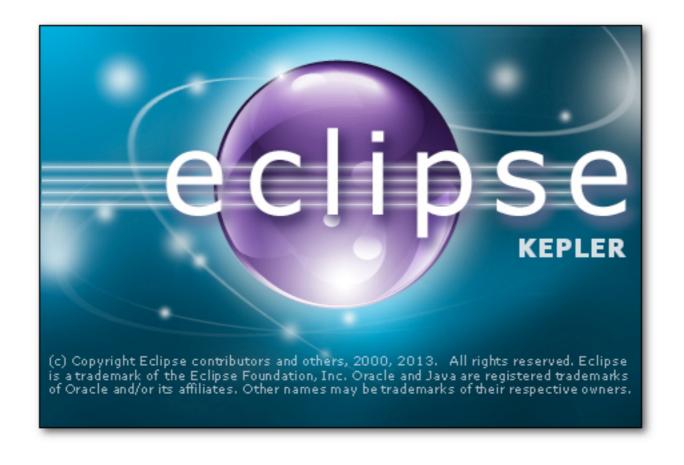


http://www.oracle.com/technetwork/java/javase/downloads/index.html



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Eclipse



Let's Get Eclipse



Google



If you are too lazy, click this link.



eclipse



Q

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約有 153,000,000 項結果 (搜尋時間: 0.14 秒)

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www.eclipse.org/downloads/ ▼ 翻譯這個網頁

超過 10 筆 - Package Solutions.

Eclipse IDE for Java EE Developers 246 MB Downloaded 1,118,422 Times Eclipse IDE for Java Developers 151 MB Downloaded 500,096 Times

Developer Builds - Eclipse Classic 4.2.2 - Eclipse IDE for Java EE ... - Mac OS X

Eclipse - The Eclipse Foundation open source community website.

www.eclipse.org/ ▼ 翻譯這個網頁

A project aiming to provide a universal toolset for development. Open Source IDE, mostly provided in Java, but the development language is independent and ...

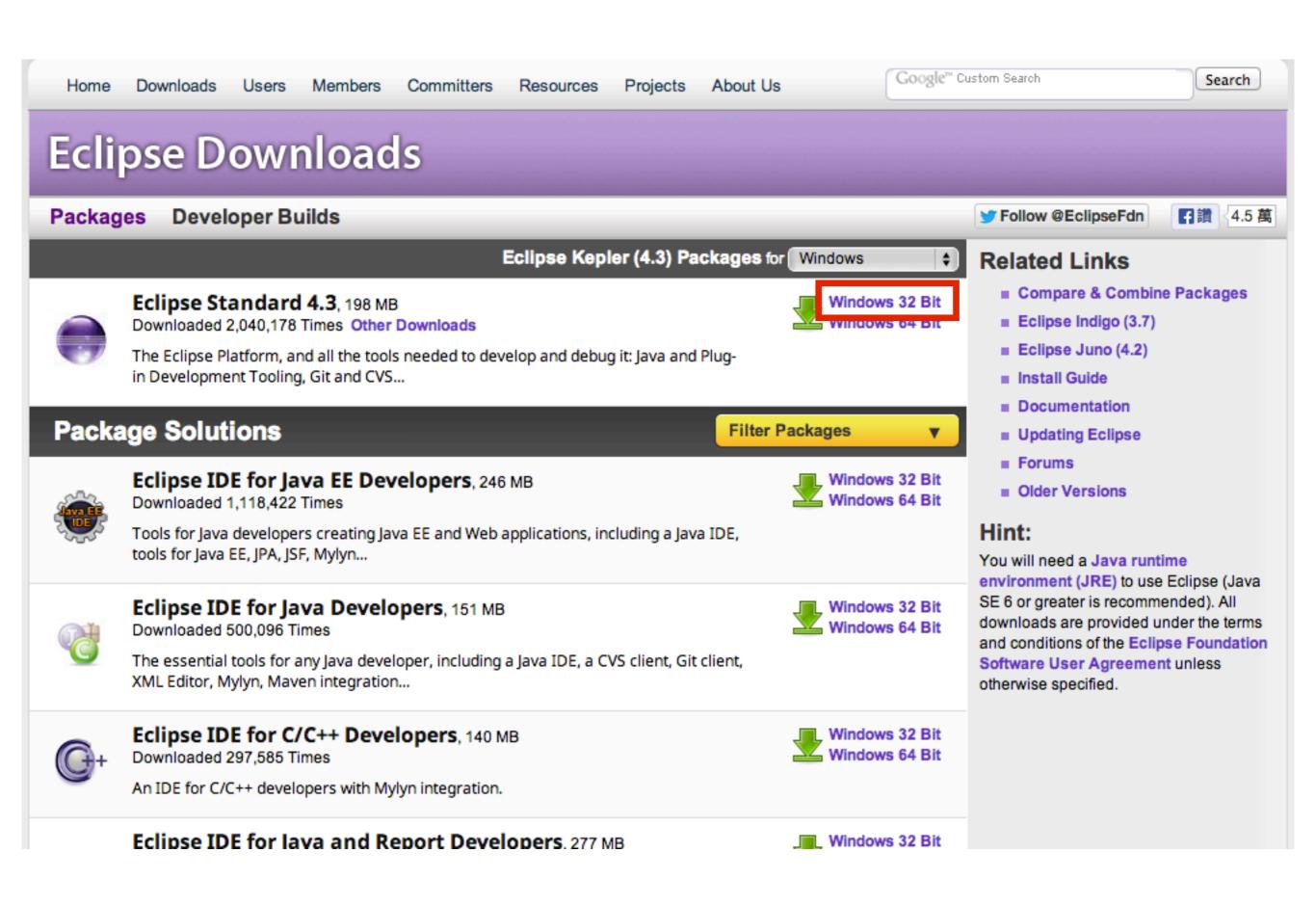
Eclipse簡介與教學 - 計中首頁

www.cc.ntu.edu.tw/chinese/epaper/0020/20120320_2003.html ▼ 2012/3/20 - 首頁 > 專題報導. 專題報導. Eclipse簡介與教學. 作者:張仁峰/臺灣大學工程科學及海洋工程研究所研究生. 在開發軟體過程中,選擇好的開發工具...

Eclipse - 维基百科,自由的百科全书

zh.wikipedia.org/zh-tw/Eclipse ▼ 轉為繁體網頁

Eclipse是著名的跨平台开源集成开发环境(IDE)。最初主要用来Java语言开发,目前亦



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SpringSource

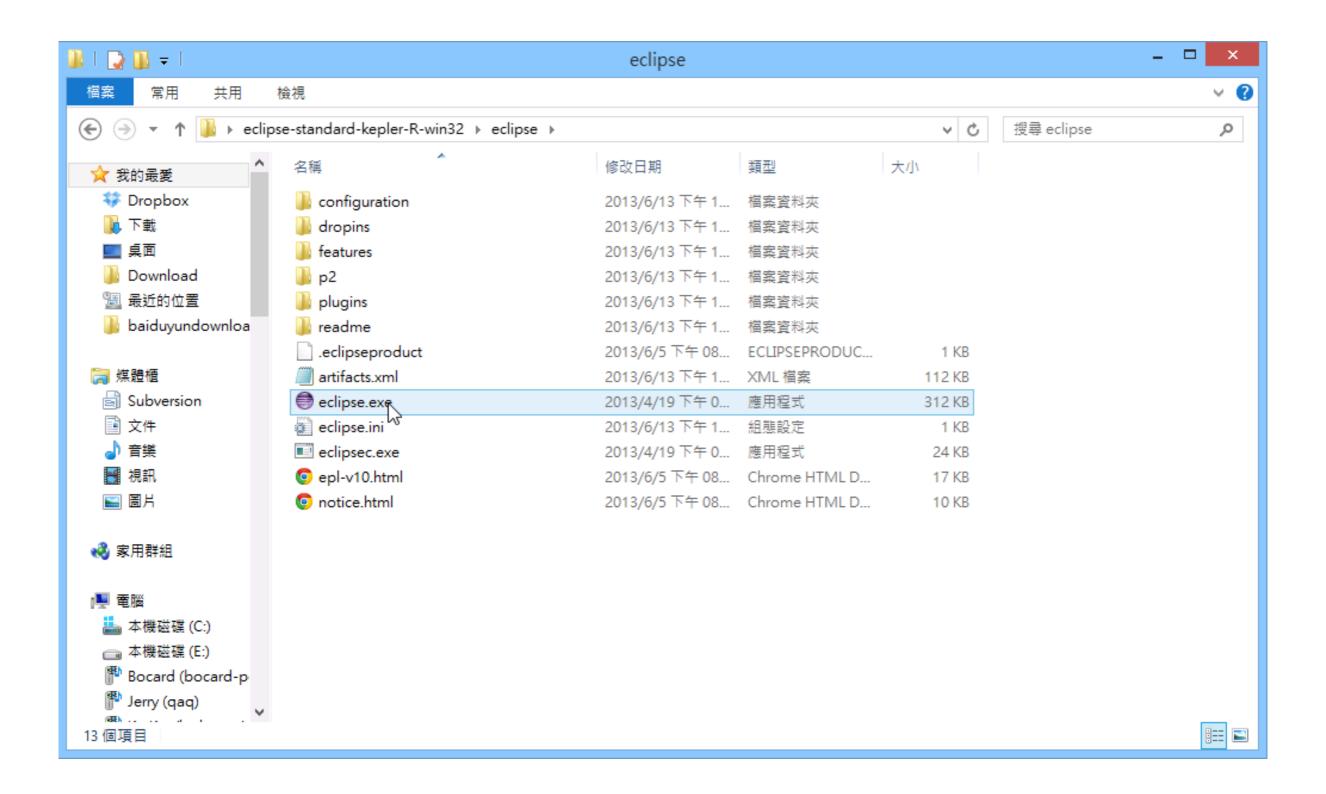
Rapid downloads of Eclipse packages. Free downloads of SpringSource Tool Suite for Spring, AspectJ, Groovy and Grails.

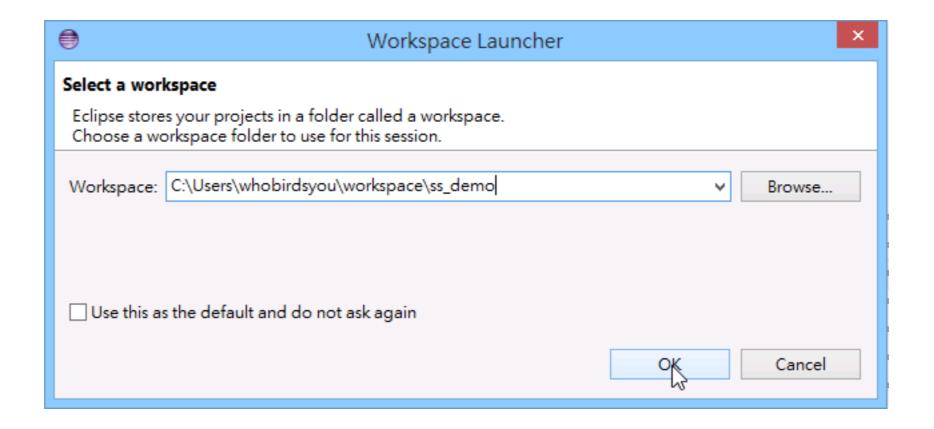
Other options for this file

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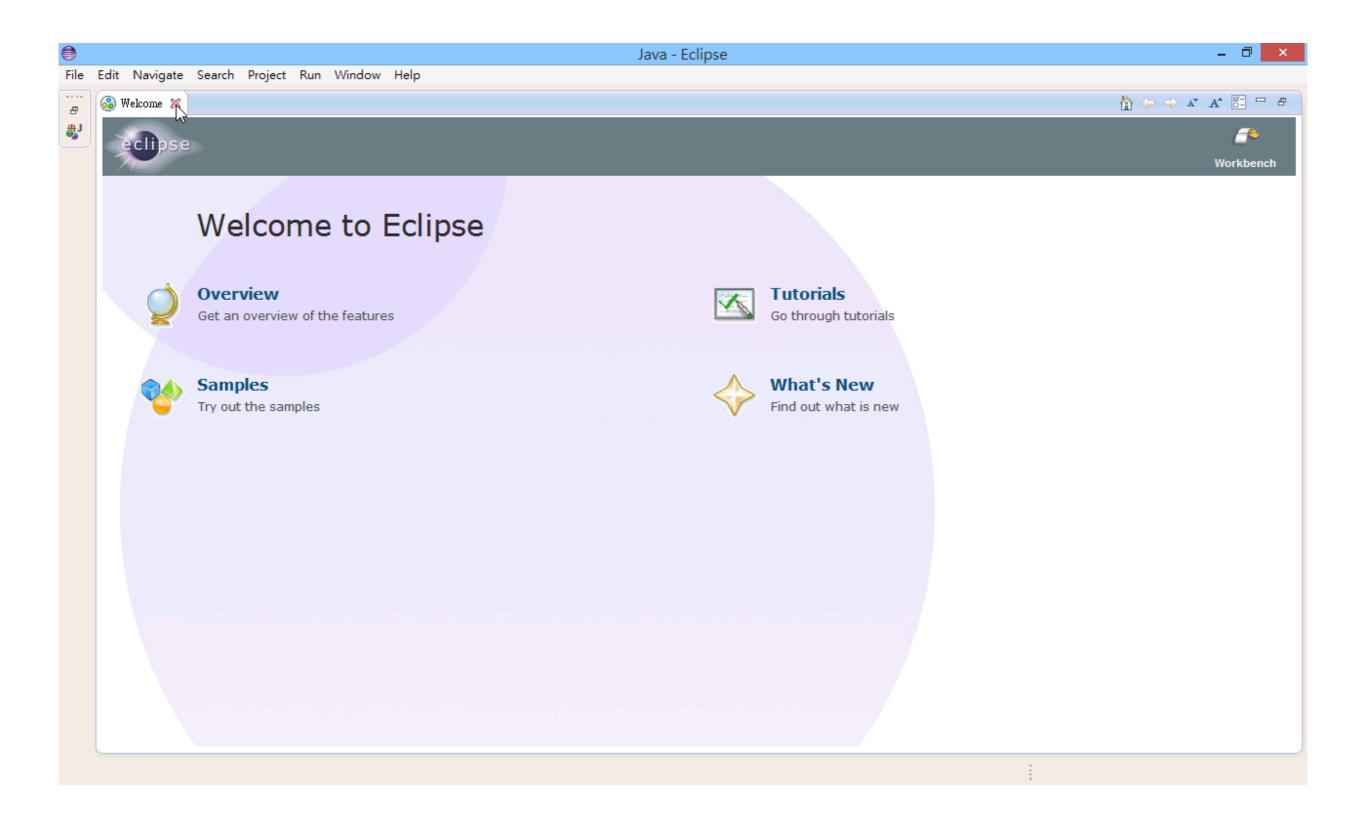
Related Links

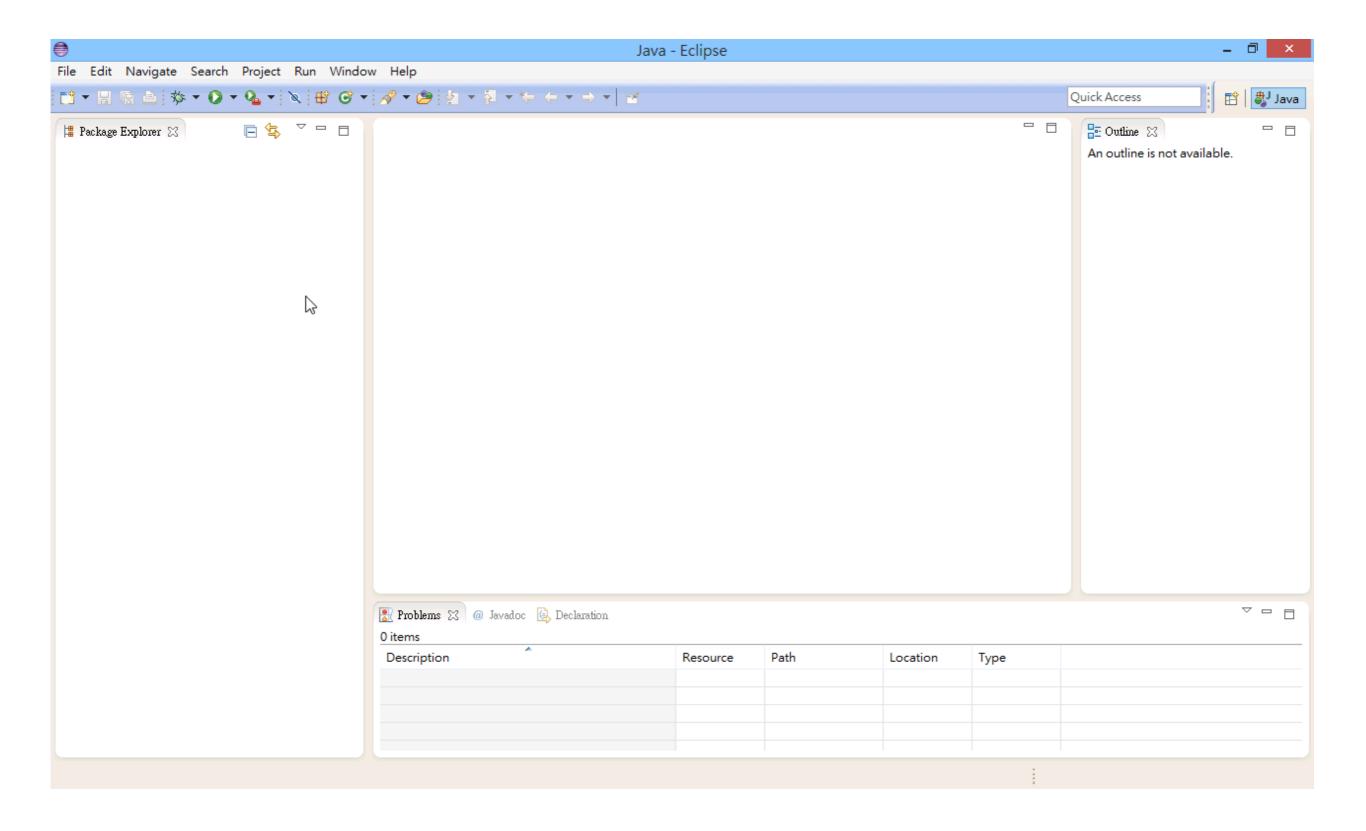
- Friends of Eclipse
- Becoming a mirror site
- Updating and installing Eclipse components
- Eclipse newsgroups





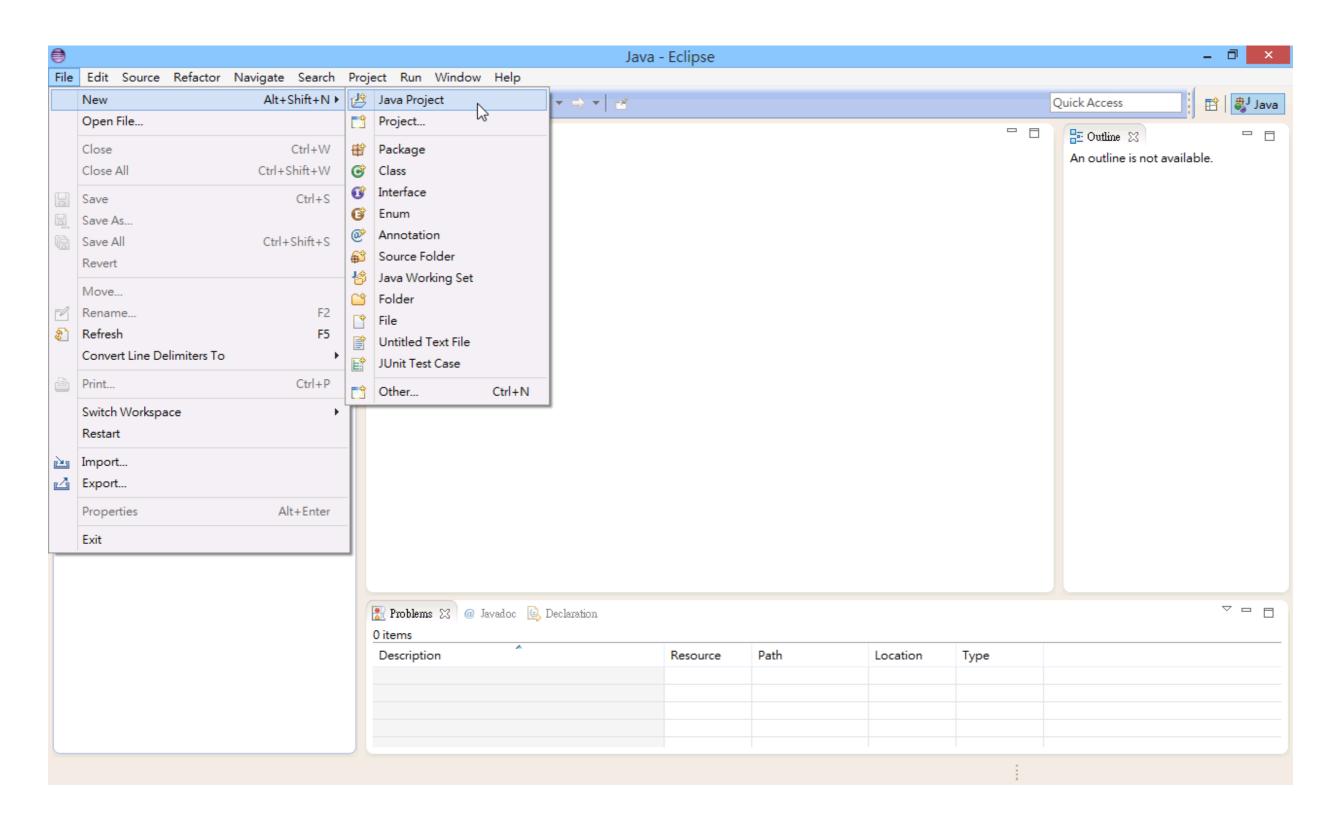
Workspace is the folder where you save your project files.



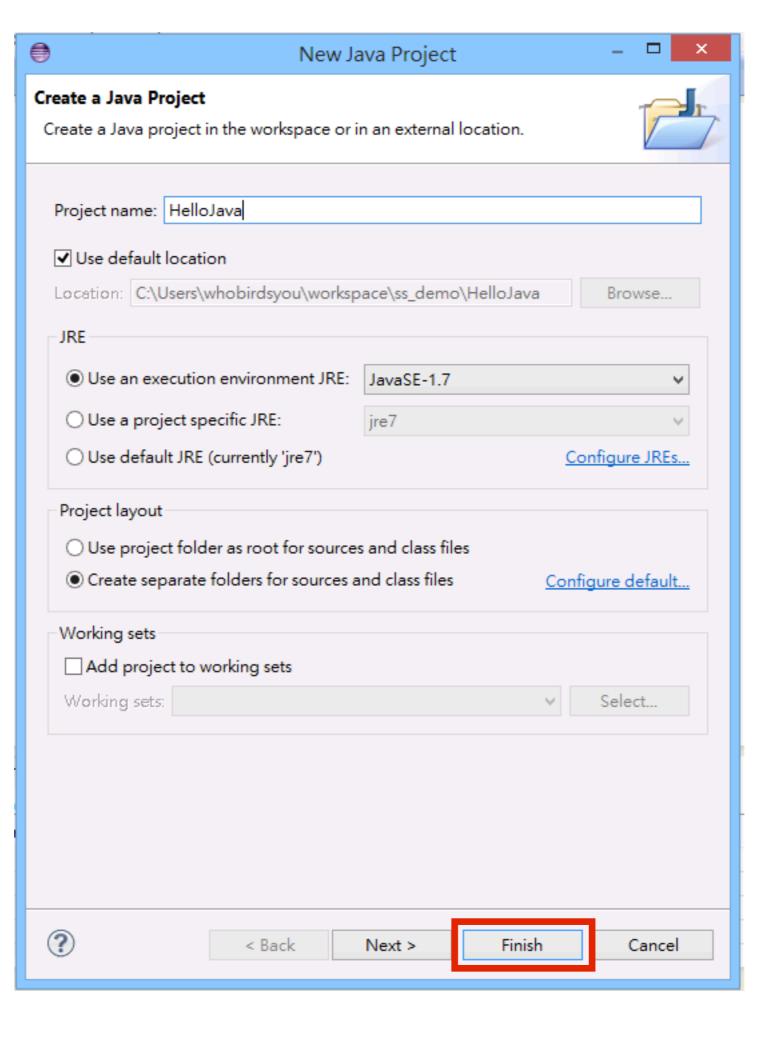


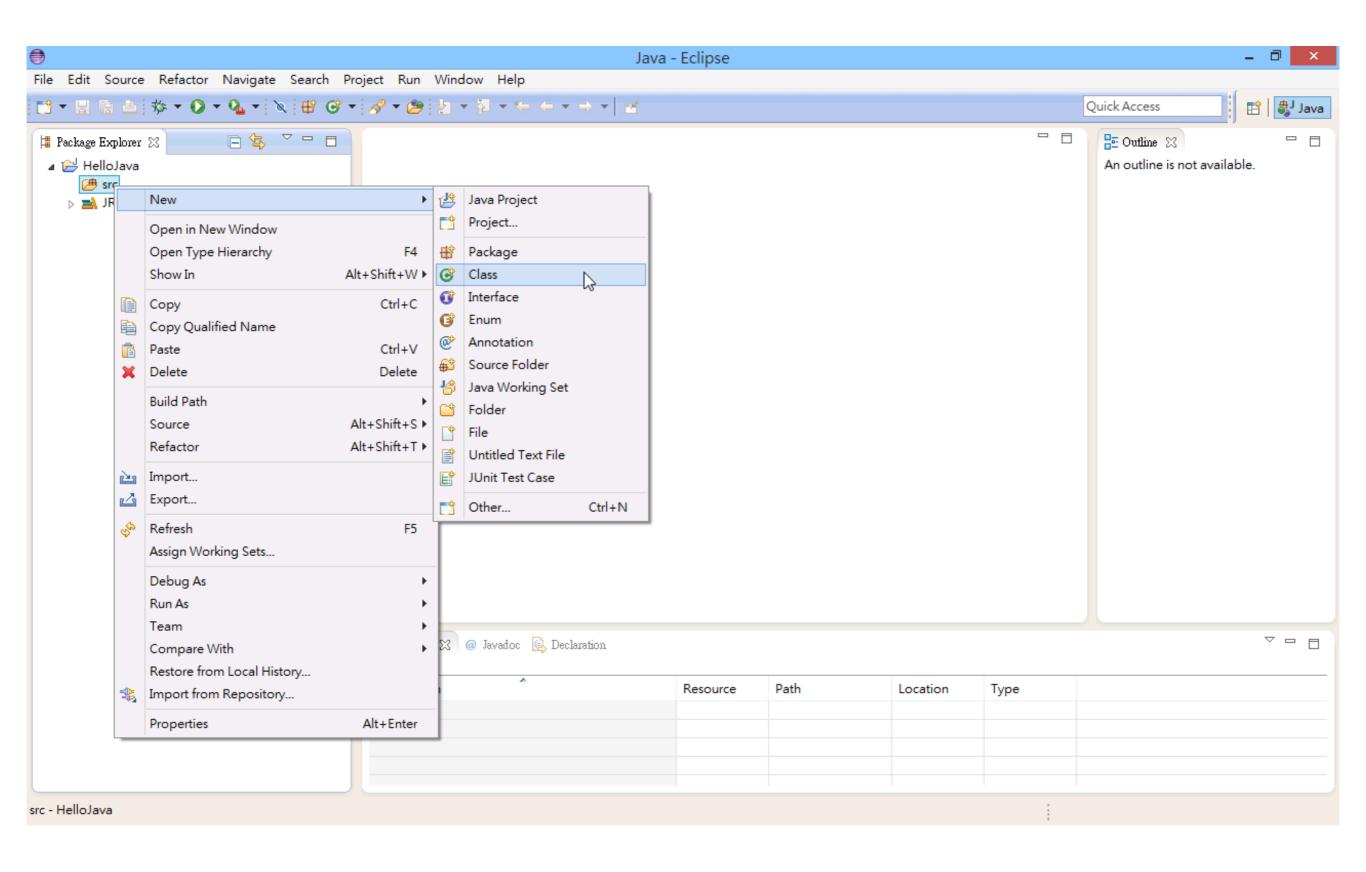
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Create you first project!

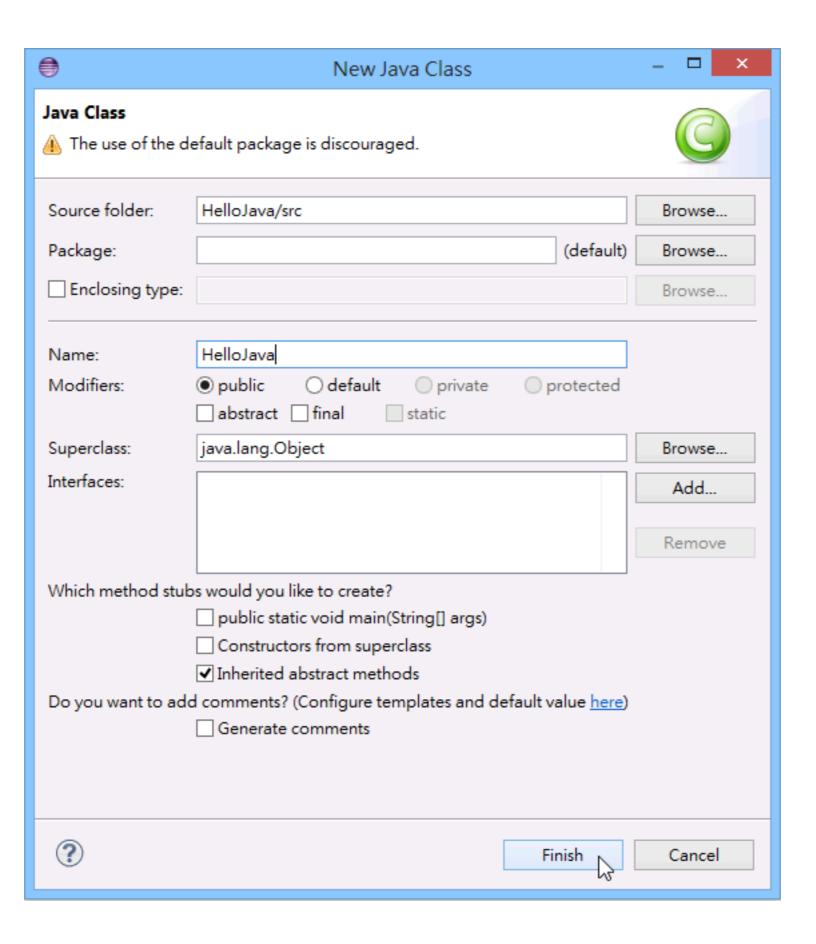


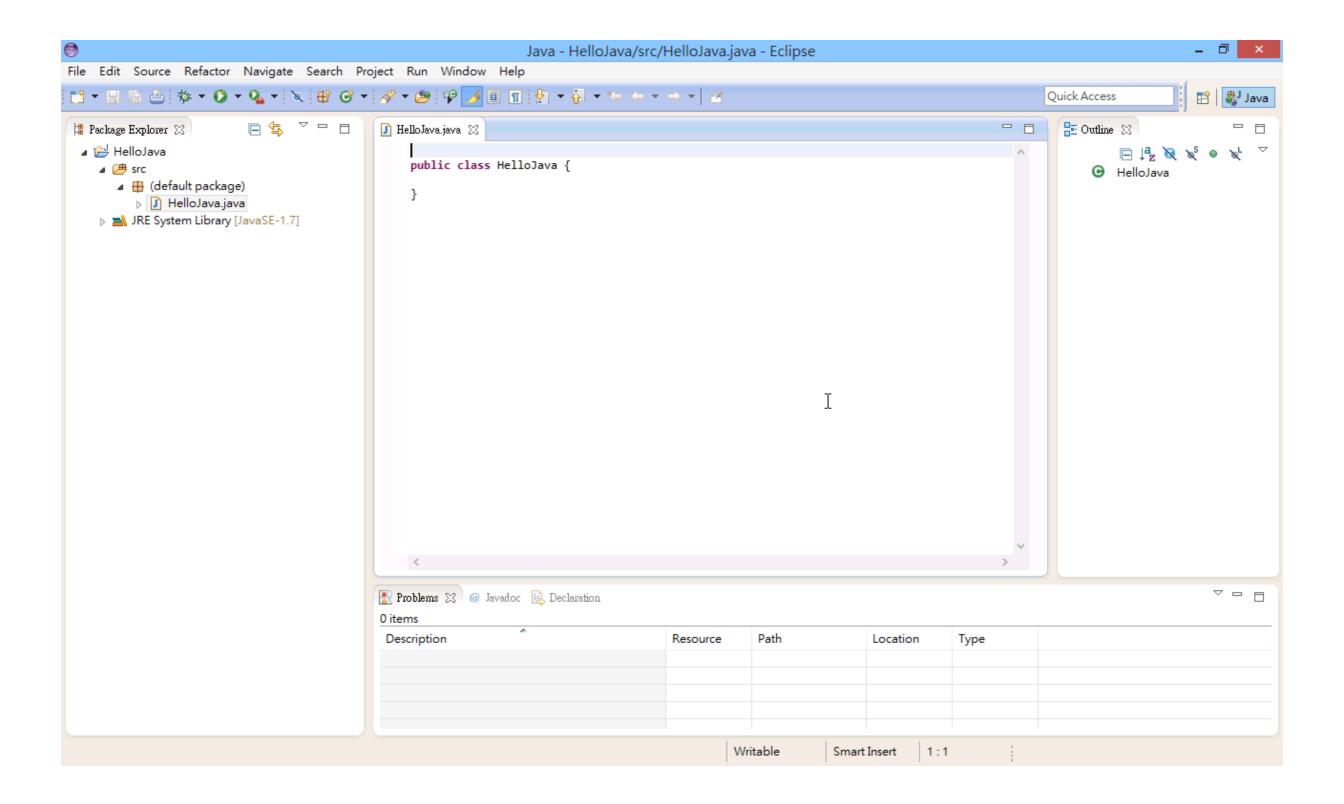
File > New > Java Project

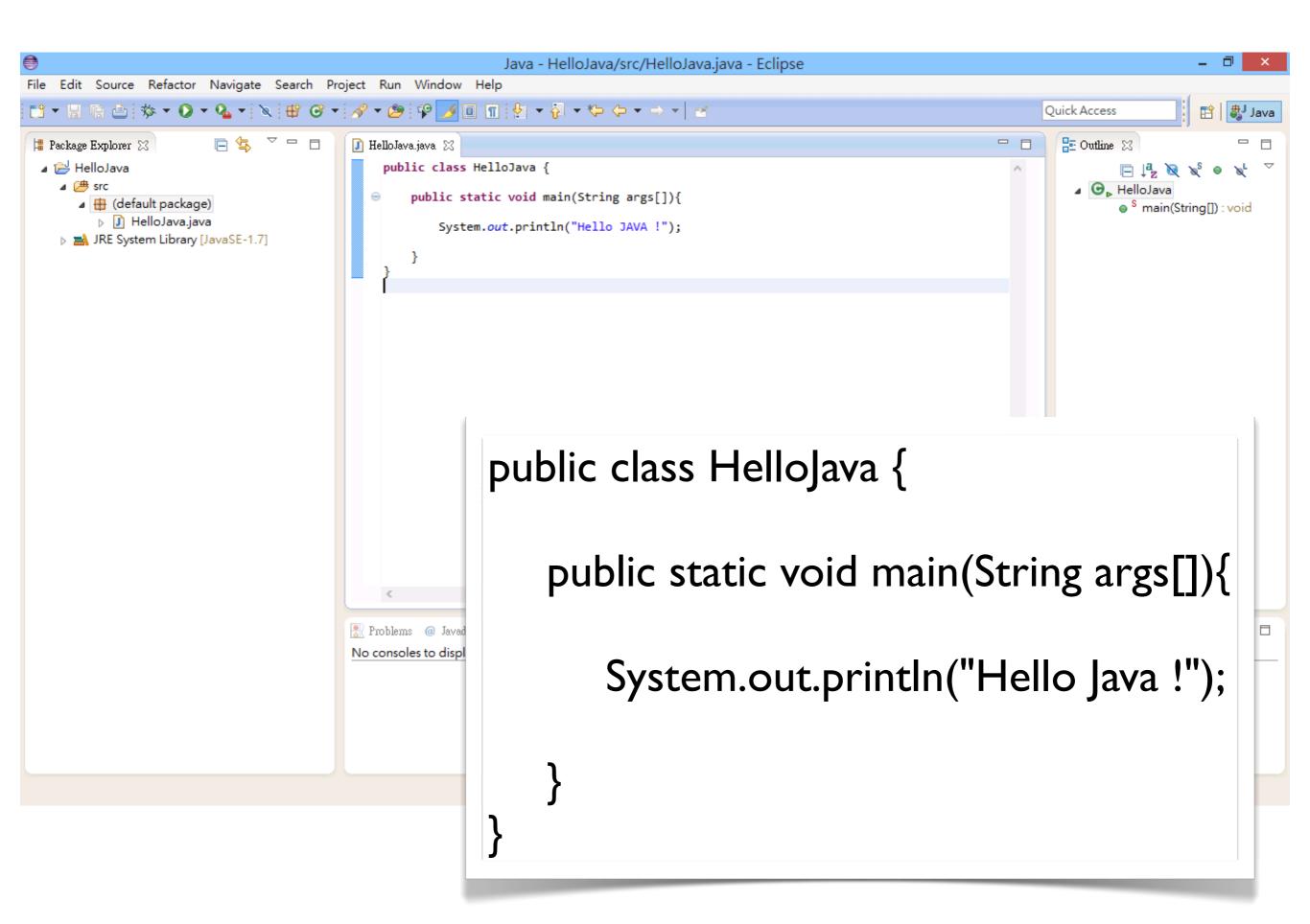




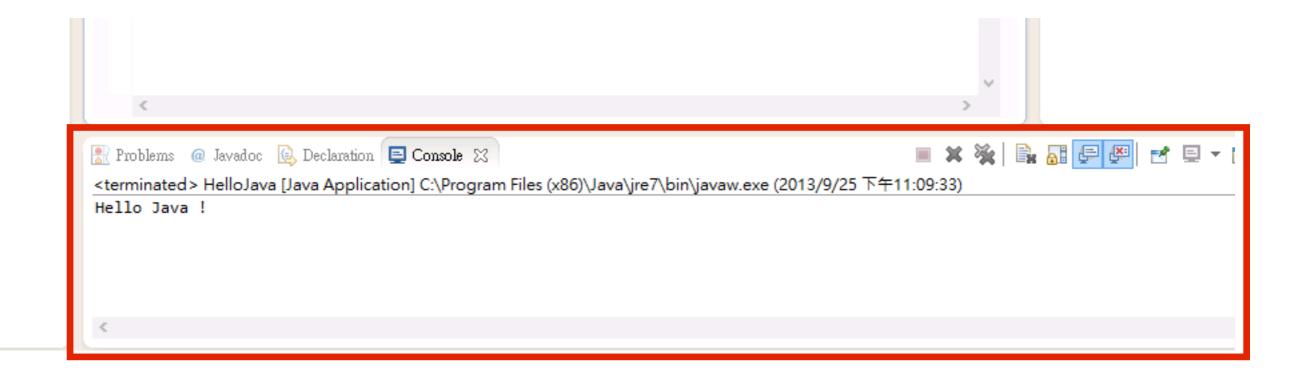
Right click on the src folder > New > Class







Or use the hot key: Ctrl + FII



Outline

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Today's Mission

- Create a Student class
 - You can set a name for him
 - Whenever you greet him, he will say "Hello! My name is xxx !"

Hints (I)

- You may want to create two classes
 - One containing the main method
 - One implementing the Student class

Hints (2)

- In the Student class
 - You may need to create a String field to store the student's name

private String name;

Hints (3)

- In the Student class
 - You may need to create a method so that you can set the student's name
 - You may need to create a method so that you can greet the student

Hints (4)

 You can print a String on the screen like this

```
System.out.println();

put your String here
```

Hints (5)

You can combine two String using '+'

```
String s1 = "Hi";
String s2 = s1 + " there.";
System.out.println(s2);
```

it will output 'Hi there.'

Hints (6)

- In the main method
 - You may need to new a student
 - You may need to set student's name and greet him

If you did everything right, the output may like:

