

JAVA Lab Class 0302

JAVA環境設定、編譯器安裝與你的第一支程式

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Hello !

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- 實驗室: 管院**413** (需先確定**TA**是否在**LAB**)

在開始之前

控制台首頁

- 裝置管理員
- 遠端設定
- 系統保護
- 進階系統設定

檢視電腦的基本資訊

Windows 版本

Windows 10 家用版

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系統

處理器: Intel(R) Core(TM) i5-4210H CPU @ 2.90GHz 2.90 GHz

安裝的記憶體 (RAM): 16.0 GB

系統類型: 64 位元作業系統, x64 型處理器

手寫筆與觸控: 此顯示器不提供手寫筆或觸控式輸入功能。



我們必須先了解自己的電腦

OEM 資訊

網站: [線上支援](#)

電腦名稱、網域及工作群組設定

電腦名稱: HackHu

完整電腦名稱: HackHu

電腦描述:

工作群組: WORKGROUP

變更設定

Windows 啟用

Windows 已啟用 [閱讀 Microsoft 軟體授權條款](#)

產品識別碼: 00326-10000-00000-AA336

變更產品金鑰

請參閱

安全性與維護

當我們知道自己電腦是多少位元後

The image shows the Oracle website homepage. At the top, the Oracle logo is on the left, and navigation links (Sign In/Register, Help, Country, Communities, I am a..., I want to..., Search) are on the right. Below the logo, a horizontal menu contains links for Products, Solutions, Downloads, Store, Support, Training, Partners, and About, followed by an OTN button. A large 'HERE!!' text is overlaid on the left side. The 'Downloads' menu is expanded, showing a 'Popular Downloads' sidebar on the left and five main categories: Database, Enterprise Management, Server and Storage Systems, Developer Tools, and Applications. The 'Java for Developers' link in the 'Popular Downloads' sidebar is circled in red. Below the menu, a banner features a video titled 'Video: Introducing Oracle's new developer program' and a photo of three people holding folders.

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HERE!!

Popular Downloads

- Java for Developers
- Java for Your Computer
- Java SE
- Solaris
- MySQL
- Oracle Fusion Middleware 11g
- Oracle Database Prebuilt Developer VMs

Database

- Oracle Database
- Oracle Database 11g Express Edition
- MySQL
- Oracle Berkeley DB
- Oracle Instant Client
- Oracle Application Express
- See All...

Middleware

- Oracle Fusion Middleware (including Oracle WebLogic Server)
- Oracle JRockit
- Oracle SOA Suite
- See All...

Enterprise Management

- Oracle Enterprise Manager
- Oracle Application Testing Suite
- See All...

Server and Storage Systems

- Solaris
- Linux and Oracle VM
- Firmware
- See All...

Developer Tools

- SQL Developer
- JDeveloper and ADF
- Developer Tools for Visual Studio
- Enterprise Pack for Eclipse
- NetBeans IDE
- See All...
- Prebuilt Developer VMs

Applications

- Oracle Fusion Applications, Oracle E-Business Suite, PeopleSoft, JD Edwards, Siebel CRM
- Agile
- AutoVue
- See All...

→ Video: Introducing Oracle's new developer program

<http://www.oracle.com/index.html>

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Java SE Downloads



Java Platform (JDK) 8u73 / 8u74



NetBeans with JDK 8

Java Platform, Standard Edition

Java SE 8u73 / 8u74

Java SE 8u73 includes important security fixes. Oracle strongly recommends that all Java SE 8 users upgrade to this release. Java SE 8u74 is a patch-set update, including all of 8u73 plus additional features (described in the release notes).

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Java SE Development Kit 8 Downloads

Thank you for downloading this release of the Java™ Platform, Standard Edition Development Kit (JDK™). The JDK is a development environment for building applications, applets, and components using the Java programming language.

The JDK includes tools useful for developing and testing programs written in the Java programming language and running on the Java platform.

See also:

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- Java Developer Day hands-on workshops (free) and other events
- Java Magazine

JDK 8u73 Checksum

JDK 8u74 Checksum

Java SE Development Kit 8u73

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Windows x64	186.84 MB	jdk-8u73-windows-x64.exe

Java SE Development Kit 8u74

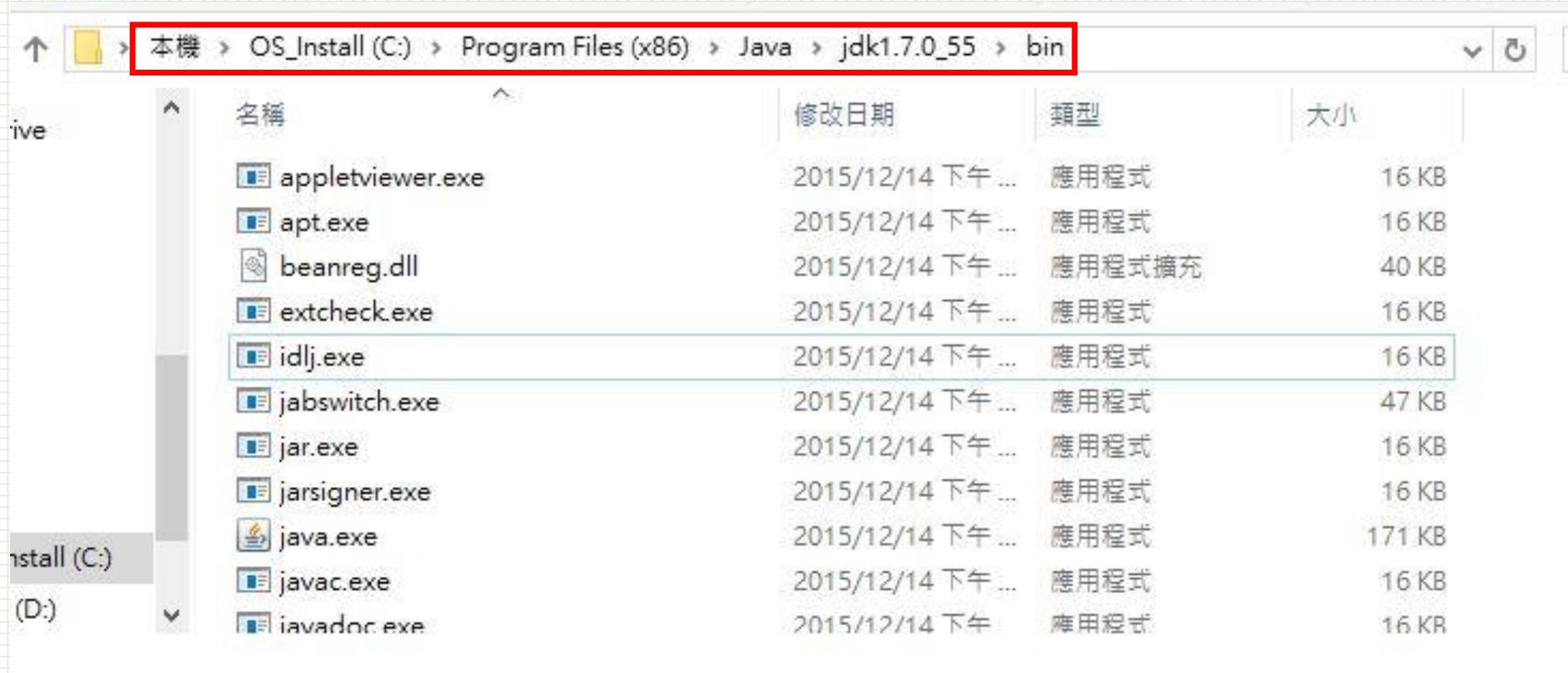
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Linux x86	174.92 MB	jdk-8u74-linux-i586.tar.gz

接下來就是把它裝起來





複製路徑，重點是**bin**這個資料夾
(C:\Program Files (x86)\Java\jdk1.7.0_55**bin**)

系統

← → ↕ ↑

控制台 > 系統及安全 > 系統

控制台首頁

裝置管理員

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系統保護

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檢視

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系統內容

電腦名稱

硬體

進階

系統保護

遠端

您必須以系統管理員的身分登入，才能變更這裡的大部分設定。

效能

視覺效果、處理器排程、記憶體使用量和虛擬記憶體

設定(S)...

使用者設定檔

關於您登入時的桌面設定

設定(E)...

啟動及修復

系統啟動、系統失敗、及偵錯資訊

設定(T)...

環境變數(N)...

確定

取消

套用(A)

請參閱

安全性與維護

Windows 已啟用 [閱讀 Microsoft 軟體授權條款](#)

產品識別碼: 00326-10000-00000-AA336

搜尋控制台

Windows 10

msi

變更設定

變更產品金鑰

環境變數

ChenWei 的使用者變數(U)

變數	值
PATH	D:\Program Files (x86)\Python 3.5\Scripts...
TEMP	%USERPROFILE%\AppData\Local\Temp
TMP	%USERPROFILE%\AppData\Local\Temp

新增(N)...

編輯(E)...

刪除(D)

系統變數(S)

變數	值
OS	Windows_NT
Path	D:\Program Files (x86)\Python 3.5\Scripts...
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;...
PROCESSOR_AR...	AMD64

新增(W)...

編輯(I)...

刪除(L)

確定

取消

編輯環境變數

D:\Program Files (x86)\Python 3.5\Scripts\
D:\Program Files (x86)\Python 3.5\
C:\ProgramData\Oracle\Java\javapath
C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common
C:\Program Files (x86)\Intel\iCLS Client\
C:\Program Files\Intel\iCLS Client\
%SystemRoot%\system32
%SystemRoot%
%SystemRoot%\System32\Wbem
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\
C:\Program Files (x86)\Windows Live\Shared
C:\Program Files\Intel\Intel(R) Management Engine Compone...
C:\Program Files\Intel\Intel(R) Management Engine Compone...
C:\Program Files (x86)\Intel\Intel(R) Management Engine Com...
C:\Program Files (x86)\Intel\Intel(R) Management Engine Com...
C:\Program Files\Intel\WiFi\bin\
C:\Program Files\Common Files\Intel\WirelessCommon\
C:\Program Files\Microsoft SQL Server\120\DTS\Binn\
C:\Program Files\Microsoft SQL Server\Client SDK\ODBC\110\
D:\Program Files (x86)\Microsoft SQL Server\120\Tools\Binn\

新增(N)

編輯(E)

瀏覽(B)...

刪除(D)

上移(U)

下移(O)

編輯文字(T)...

確定

取消

PATH裡面的內容用分號做區隔

```

C:\WINDOWS\system32\cmd.exe
Microsoft Windows [版本 10.0.10586]
(c) 2015 Microsoft Corporation. 著作權所有，並保留一切權利。

C:\Users\ChenWei>java
用法: java [-options] class [args...]
           (執行類別)
 或 java [-options] -jar jarfile [args...]
           (執行 jar 檔案)

選項包括:
  -d32          使用 32 位元資料模型 (如果有的話)
  -d64          使用 64 位元資料模型 (如果有的話)
  -server       選取 "server" VM
                預設的 VM 為 server。

  -cp <class search path of directories and zip/jar files>
  -classpath <class search path of directories and zip/jar files>
                使用 ; 區隔的目錄、JAR 存檔以及
                ZIP 存檔清單來搜尋類別檔案。
  -D<name>=<value>
                設定系統屬性
  -verbose:[class|gc|jni]
                啟用詳細資訊輸出
  -version       列印產品版本並結束
  -version:<value>
                警告: 此功能已不再使用，將會從
                未來版本中移除。
                需要指定的版本才能執行
  -showversion   列印產品版本並繼續
  -jre-restrict-search | -no-jre-restrict-search
                警告: 此功能已不再使用，將會從
                未來版本中移除。
                在版本搜尋中包括/排除使用者專用 JRE
  -? -help       列印此說明訊息
  -X             列印非標準選項的說明
  -ea[:<packagename>...[:<classname>]]
  -enableassertions[:<packagename>...[:<classname>]]
                啟用含指定詳細程度的宣告
  -da[:<packagename>...[:<classname>]]
  -disableassertions[:<packagename>...[:<classname>]]
                停用含指定詳細程度的宣告
  -esa | -enablesystemassertions
                啟用系統宣告
  -dsa | -disablesystemassertions
                停用系統宣告
  -agentlib:<libname>[=<options>]
                載入原生代理程式程式庫 <libname>，例如 -agentlib:hprof
                另請參閱 -agentlib:jdwp=help 與 -agentlib:hprof=help
  -agentpath:<pathname>[=<options>]
                使用完整路徑名稱載入原生代理程式程式庫
  -javaagent:<jarpath>[=<options>]
                載入 Java 程式語言代理程式，請參閱 java.lang.instrument
  -splash:<imagepath>
                顯示指定影像的軟體資訊畫面
請參閱 http://www.oracle.com/technetwork/java/javase/documentation/index.html 瞭解詳細資訊。

C:\Users\ChenWei>

```

在命令提示字元裡執行**java**指令

C:\WINDOWS\system32\cmd.exe

C:\Users\ChenWei>javac

Usage: javac <options> <source files>

where possible options include:

-g	Generate all debugging info
-g:none	Generate no debugging info
-g:{lines,vars,source}	Generate only some debugging info
-nowarn	Generate no warnings
-verbose	Output messages about what the compiler is doing
-deprecation	Output source locations where deprecated APIs are used
-classpath <path>	Specify where to find user class files and annotation processors
-cp <path>	Specify where to find user class files and annotation processors
-sourcepath <path>	Specify where to find input source files
-bootclasspath <path>	Override location of bootstrap class files
-extdirs <dirs>	Override location of installed extensions
-endorseddirs <dirs>	Override location of endorsed standards path
-proc:{none,only}	Control whether annotation processing and/or compilation is done.
-processor <class1>[,<class2>,<class3>...]	Names of the annotation processors to run; bypasses default discovery process
-processorpath <path>	Specify where to find annotation processors
-d <directory>	Specify where to place generated class files
-s <directory>	Specify where to place generated source files
-implicit:{none,class}	Specify whether or not to generate class files for implicitly referenced files
-encoding <encoding>	Specify character encoding used by source files
-source <release>	Provide source compatibility with specified release
-target <release>	Generate class files for specific VM version
-version	Version information
-help	Print a synopsis of standard options
-Akey[=value]	Options to pass to annotation processors
-X	Print a synopsis of nonstandard options
-J<flag>	Pass <flag> directly to the runtime system
-Werror	Terminate compilation if warnings occur
@<filename>	Read options and filenames from file

C:\Users\ChenWei>

在命令提示字元裡執行**javac**指令

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that is right for you

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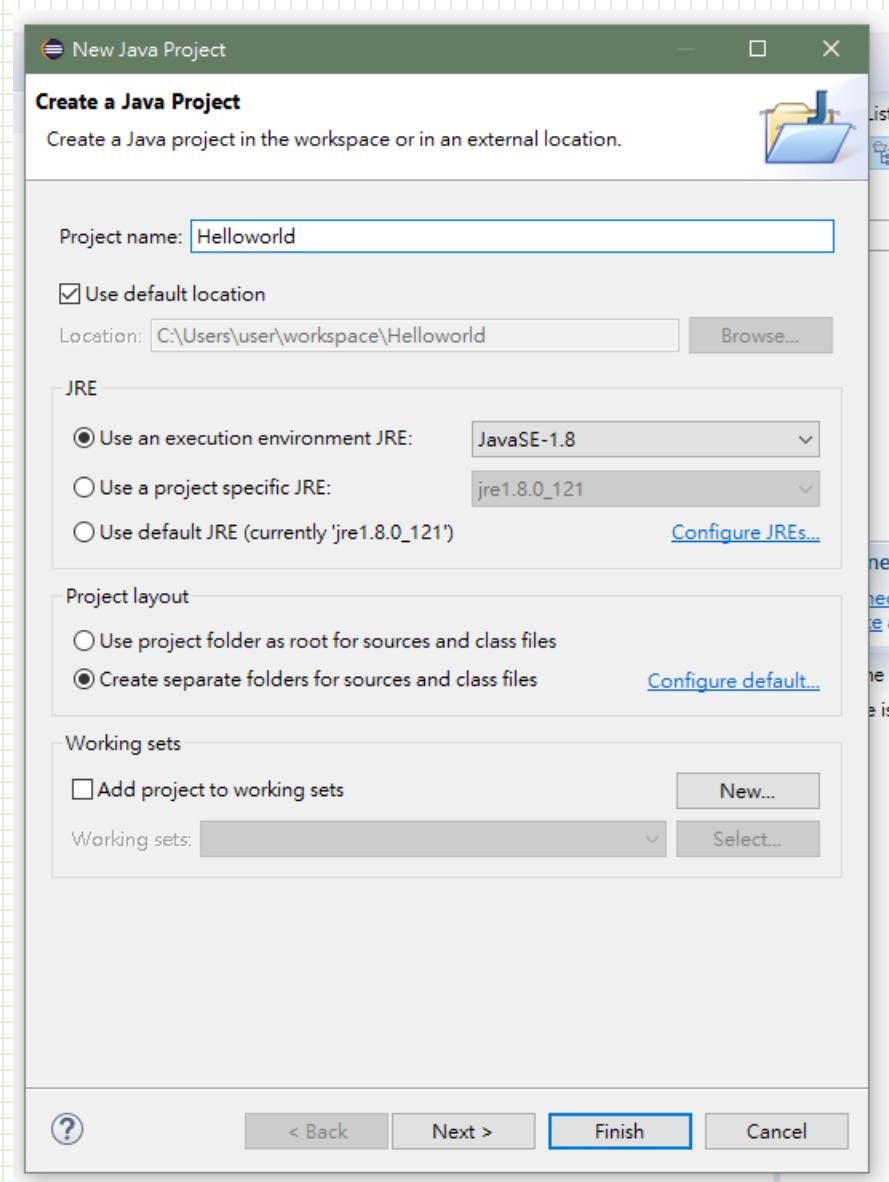
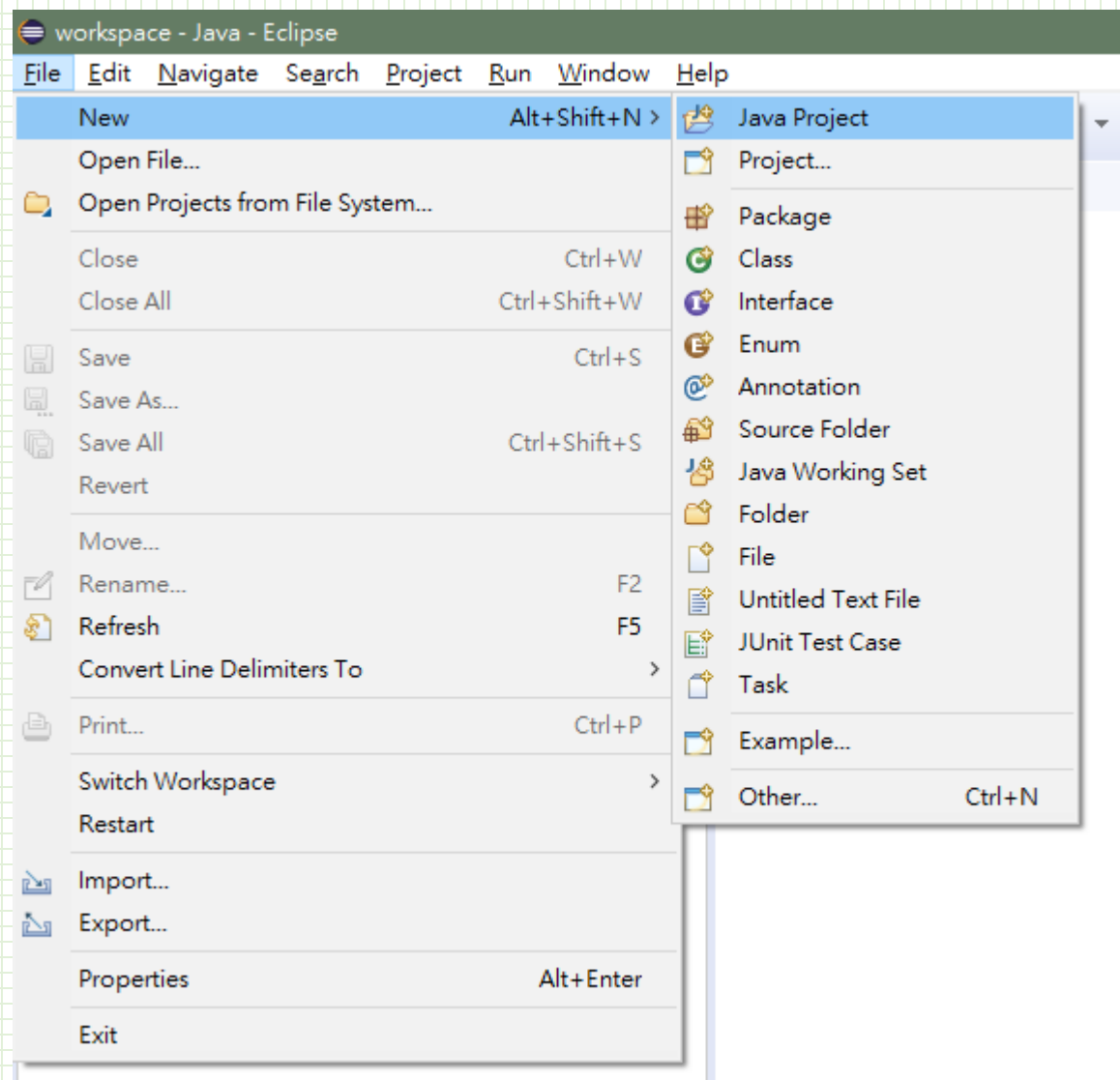
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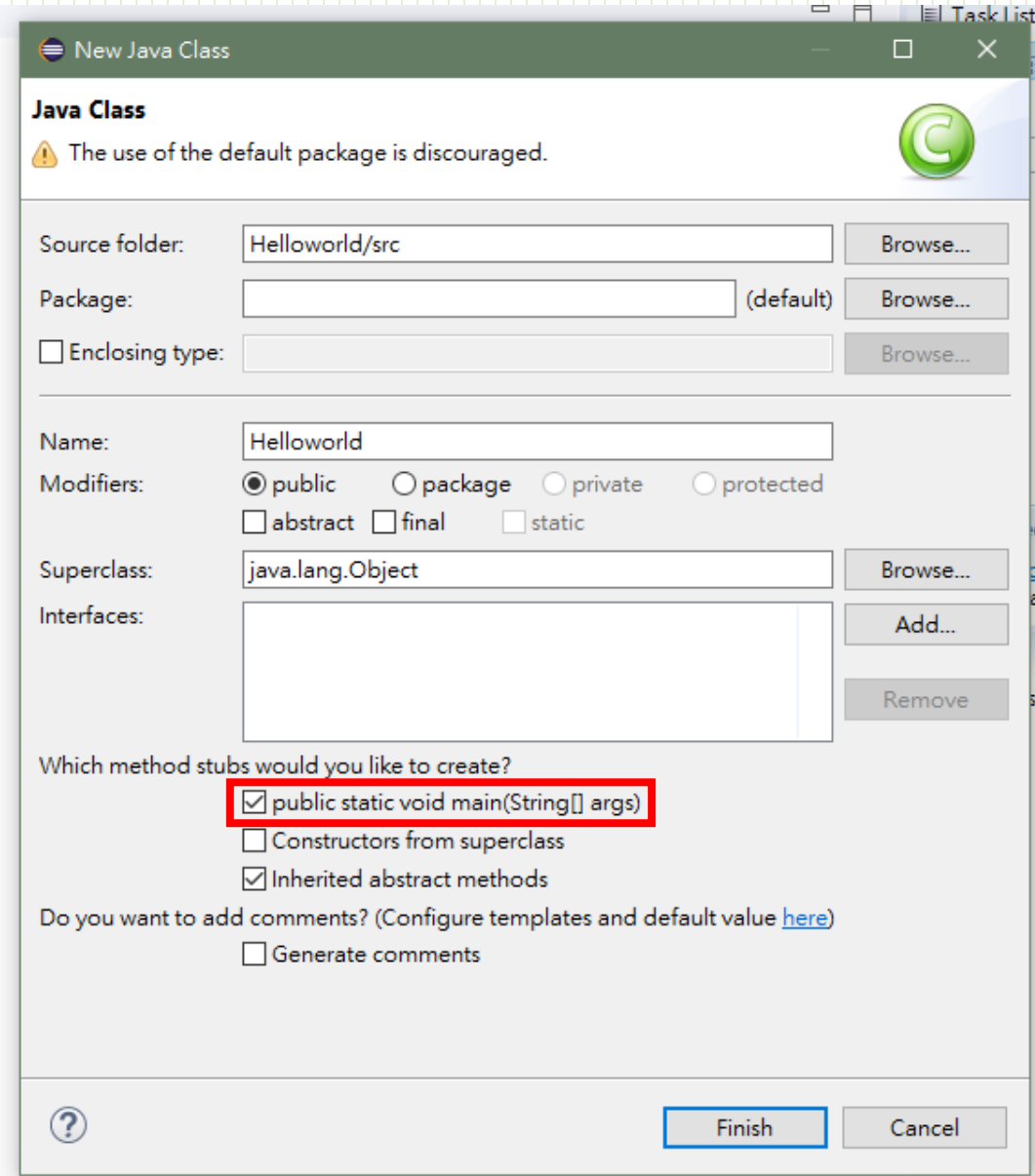
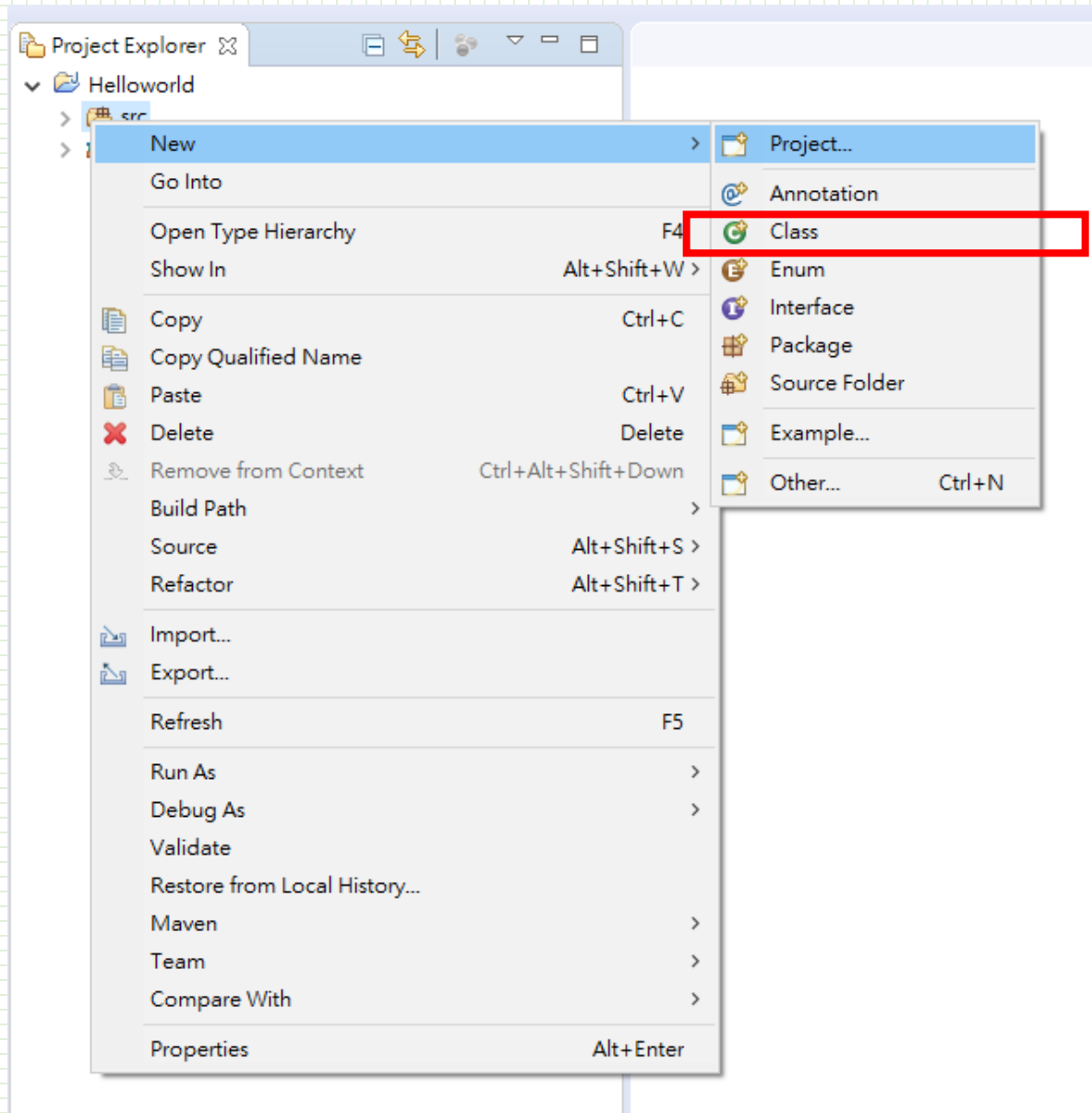
<https://eclipse.org/downloads/>

依照指示精靈把它裝起來吧

當我們把編譯器與環境設定好之後
我們來試試看寫**Hello World**吧！



新增一個**Java Project**



新增一個**CLASS**

你的第一支程式

```
public class helloworld{  
    public static void main(String [] args){  
        System.out.println(" hello world ");  
    }  
}
```

File name : helloworld.java