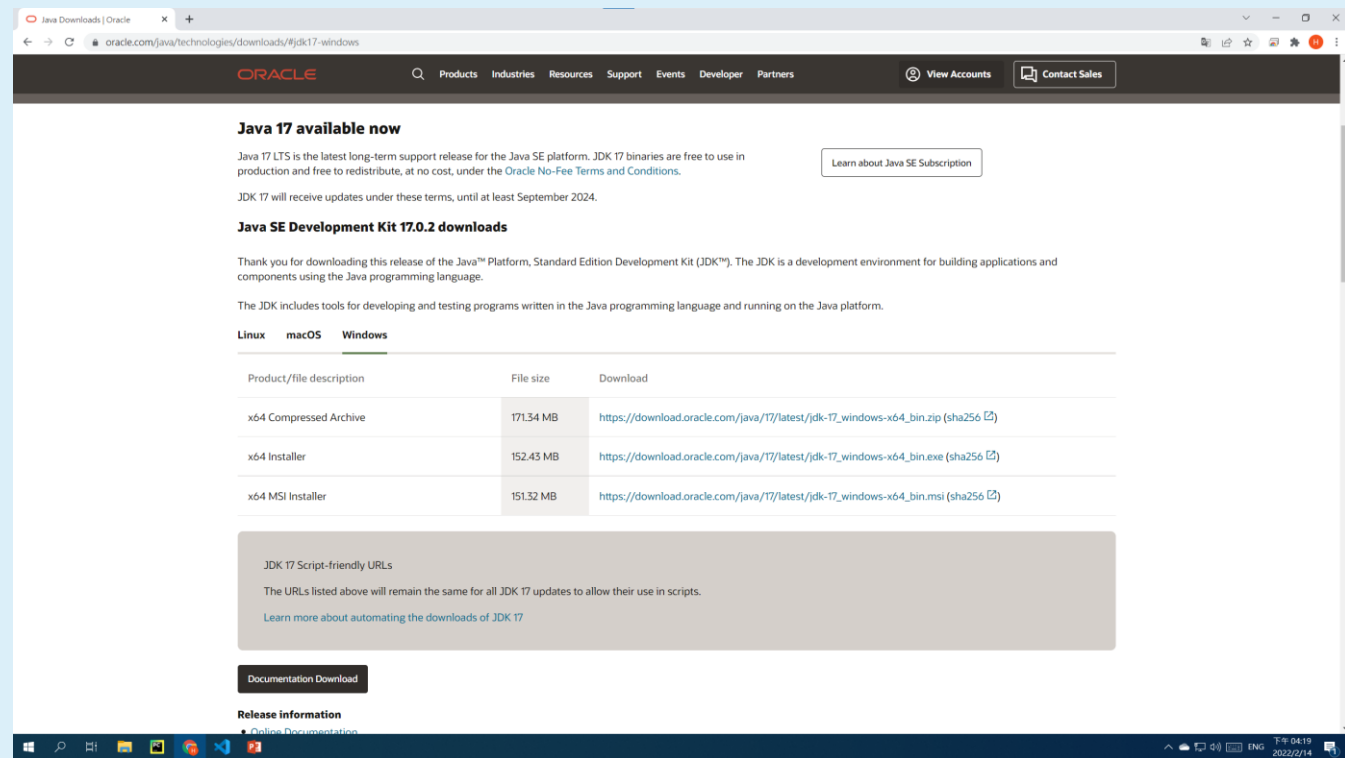


# JAVA、ECLIPSE和 JKAREL八成品安裝教學

楊可東

# 下載Java

- 搜尋「Java SE」，或點擊上方連結到官網



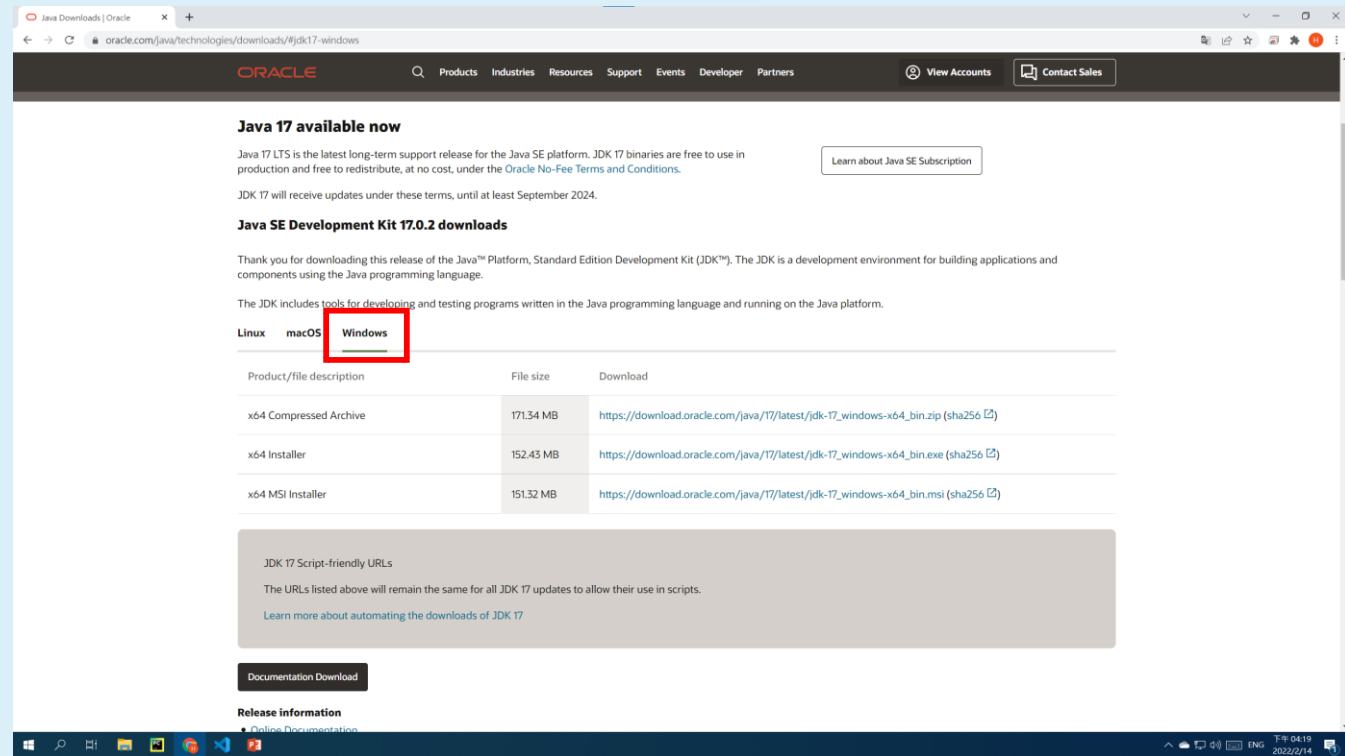
The screenshot shows the Oracle Java Downloads page for JDK 17 on Windows. The page has a dark header with the Oracle logo and navigation links. The main content area is white and contains the following sections:

- Java 17 available now**: A section announcing the availability of Java 17 LTS, which is the latest long-term support release for the Java SE platform. It mentions that JDK 17 binaries are free to use in production and free to redistribute, at no cost, under the [Oracle No-Fee Terms and Conditions](#). It also states that JDK 17 will receive updates under these terms, until at least September 2024. There is a button labeled "Learn about Java SE Subscription".
- Java SE Development Kit 17.0.2 downloads**: A section providing download links for the JDK 17.0.2 Development Kit. It includes a thank you message and states that the JDK is a development environment for building applications and components using the Java programming language. It also mentions that the JDK includes tools for developing and testing programs written in the Java programming language and running on the Java platform.
- Download links**: A table with three columns: "Product/file description", "File size", and "Download". The table lists three download options for Windows: "x64 Compressed Archive" (171.34 MB), "x64 Installer" (152.43 MB), and "x64 MSI Installer" (151.32 MB). Each row provides a download link and a SHA256 checksum.
- JDK 17 Script-friendly URLs**: A section providing script-friendly URLs for the JDK 17 downloads. It states that the URLs listed above will remain the same for all JDK 17 updates to allow their use in scripts. There is a link to "Learn more about automating the downloads of JDK 17".
- Documentation Download**: A button labeled "Documentation Download".
- Release information**: A section with a link to "Online Documentation".

Product/file description	File size	Download
x64 Compressed Archive	171.34 MB	<a href="https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.zip">https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.zip</a> (sha256 <a href="#">[2]</a> )
x64 Installer	152.43 MB	<a href="https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.exe">https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.exe</a> (sha256 <a href="#">[2]</a> )
x64 MSI Installer	151.32 MB	<a href="https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.msi">https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.msi</a> (sha256 <a href="#">[2]</a> )

# 下載Java

- 找到符合電腦作業系統的安裝檔



# 下載Java

- 下載對應的Java SE Development Kit 17.0.2安裝檔。注意：本學期課程使用版本為17.0.2

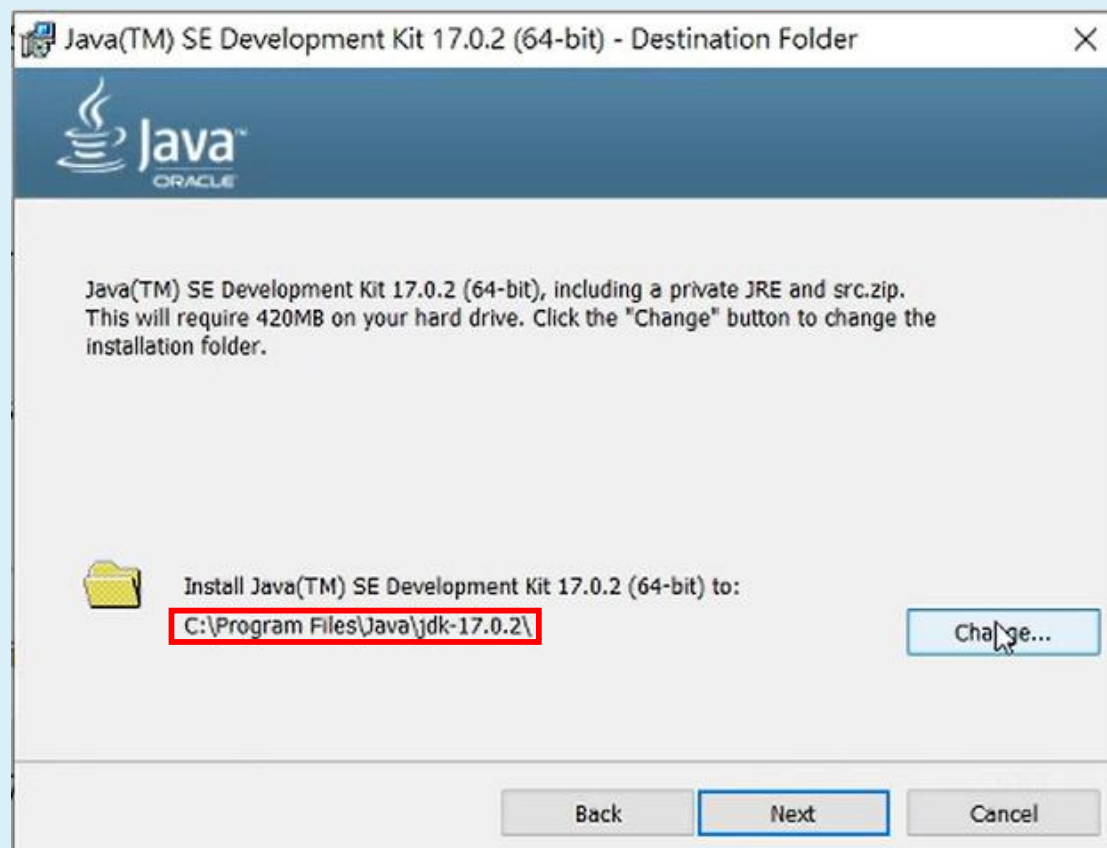
The screenshot shows the Oracle Java Downloads page for JDK 17.0.2 on Windows. The page has a dark header with the Oracle logo and navigation links. The main content area is white and contains the following sections:

- Java 17 available now**: A section with text about Java 17 LTS and a button to "Learn about Java SE Subscription".
- Java SE Development Kit 17.0.2 downloads**: A section with a red border containing text about the JDK and a table of download links.
- Linux macOS Windows**: A tabbed interface with "Windows" selected.
- Table of download links**: A table with three columns: "Product/file description", "File size", and "Download". The "x64 Installer" row is highlighted with a red border.
- JDK 17 Script-friendly URLs**: A section with text about script-friendly URLs and a link to "Learn more about automating the downloads of JDK 17".
- Documentation Download**: A button to download the documentation.
- Release information**: A section with a link to "Online Documentation".

Product/file description	File size	Download
x64 Compressed Archive	171.34 MB	<a href="https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.zip">https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.zip</a> (sha256 <a href="#">[E]</a> )
x64 Installer	152.43 MB	<a href="https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.exe">https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.exe</a> (sha256 <a href="#">[E]</a> )
x64 MSI Installer	151.32 MB	<a href="https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.msi">https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.msi</a> (sha256 <a href="#">[E]</a> )

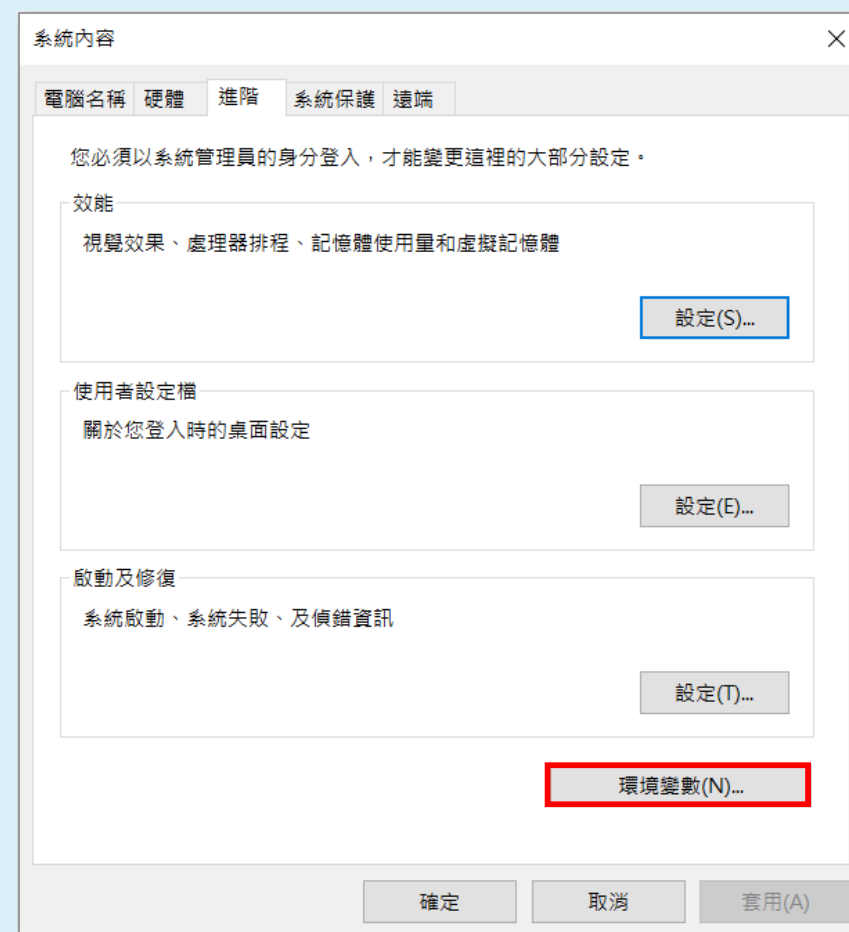
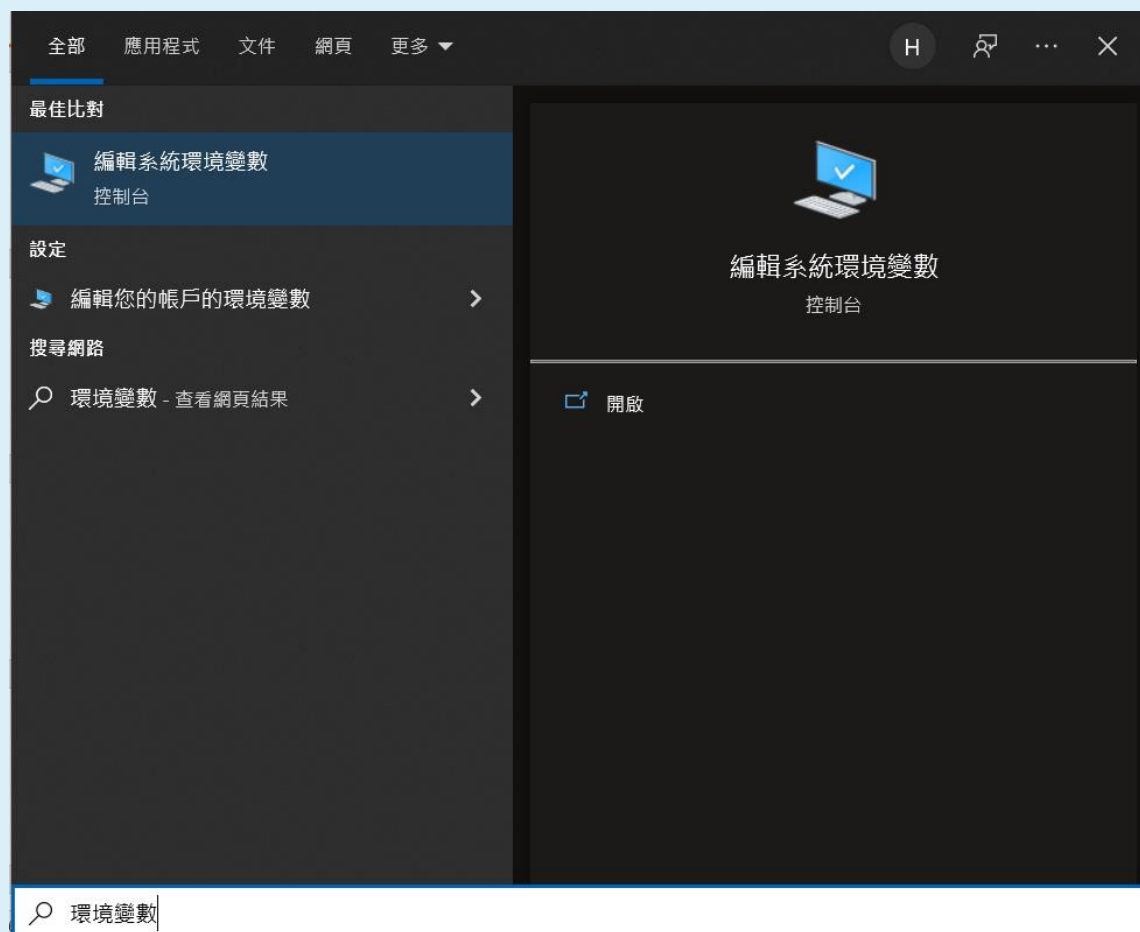
# 下載Java

- 執行Java安裝檔，記住檔案存檔路徑(default：C:\Program Files\Java\jdk-17.0.3\)



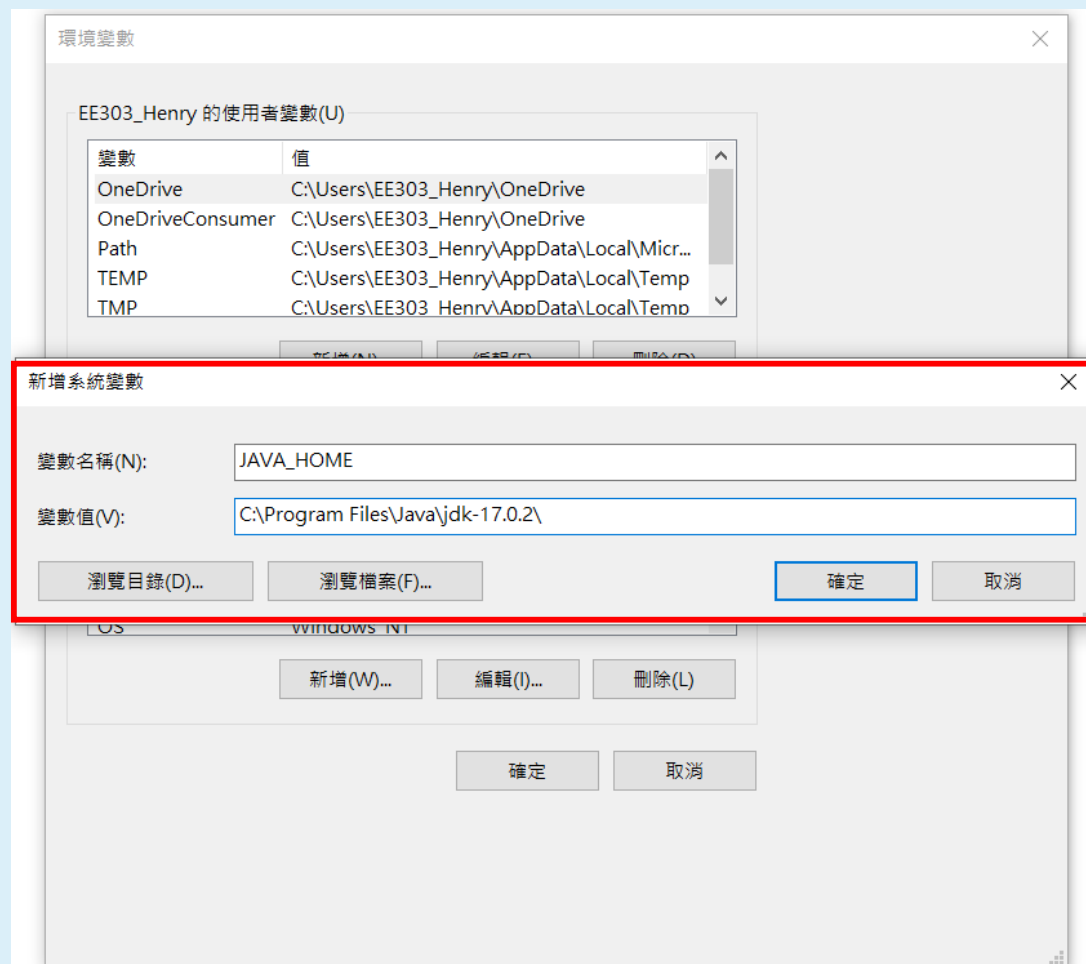
# 設定環境變數

- 在電腦中搜尋(WIN+Q)「環境變數」，點擊環境變數



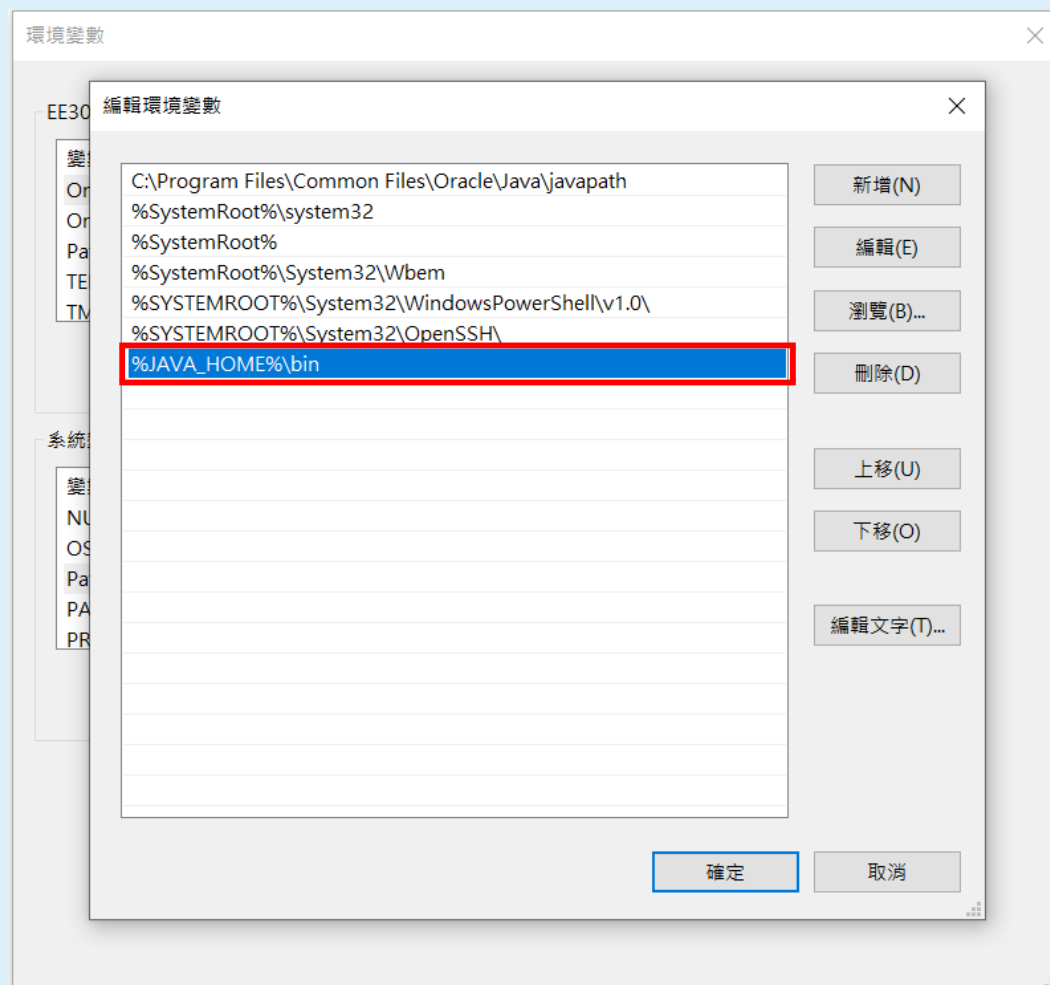
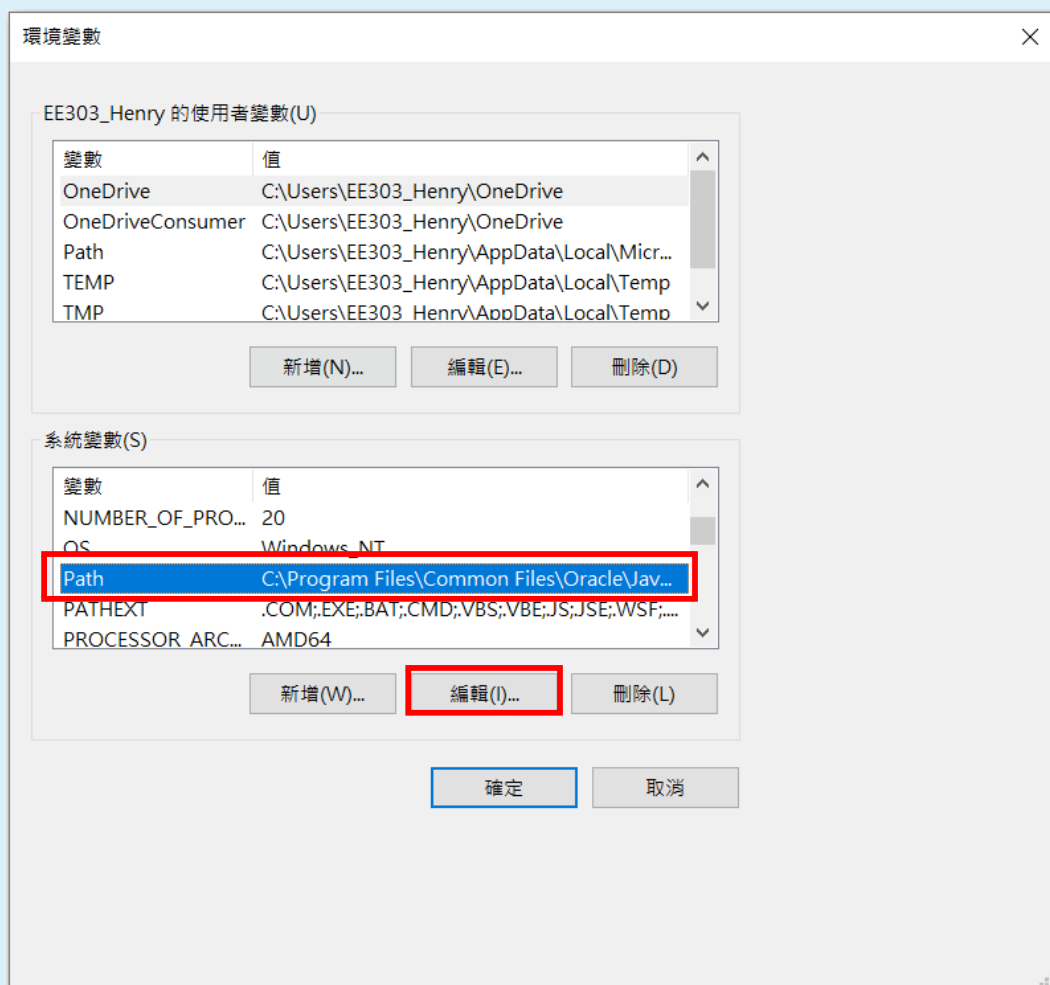
# 設定環境變數

- 在系統變數中新增一個變數命名為「JAVA\_HOME」，並在變數欄輸入剛剛Java存檔的路徑



# 設定環境變數

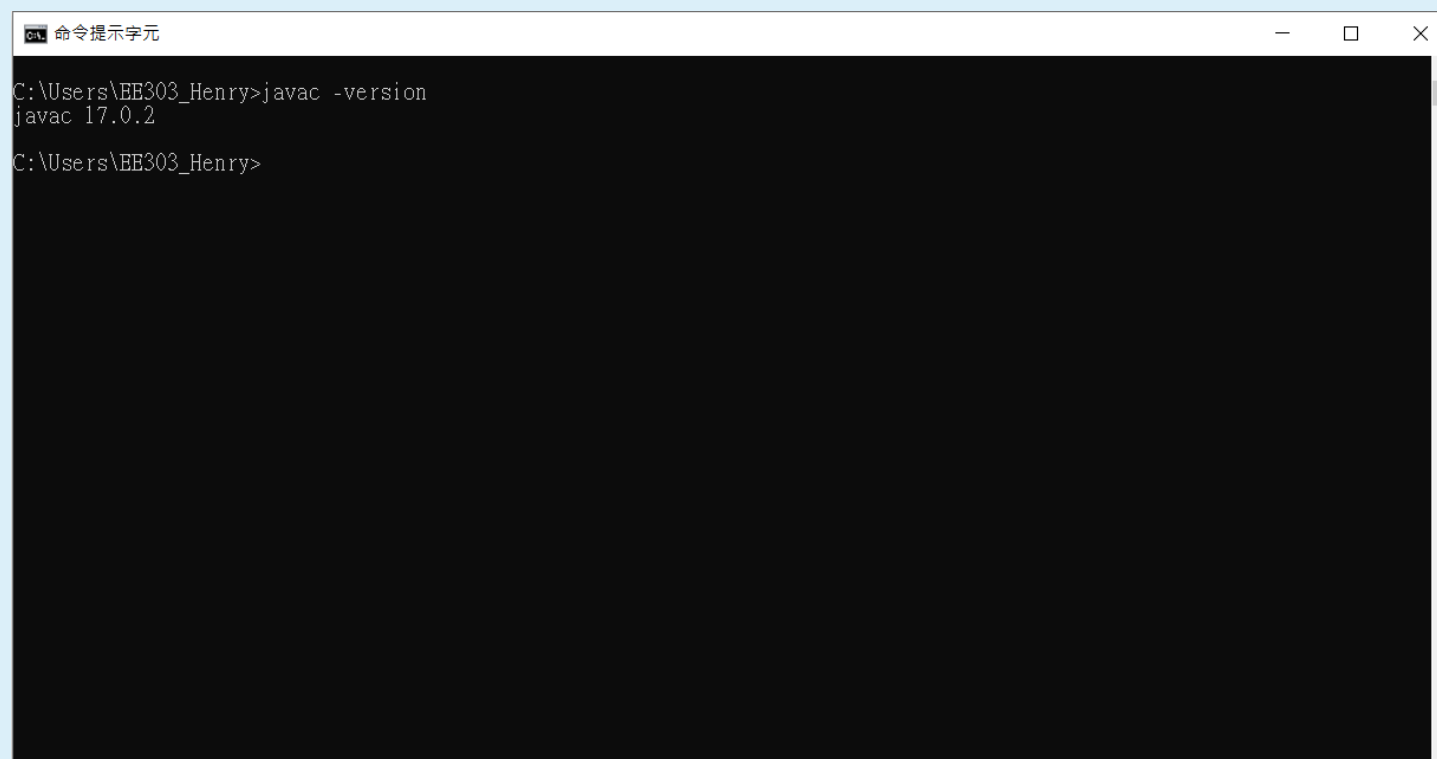
- 在系統變數中找到「Path」，點擊編輯，新增一個「%JAVA\_HOME%\bin」





# 設定環境變數

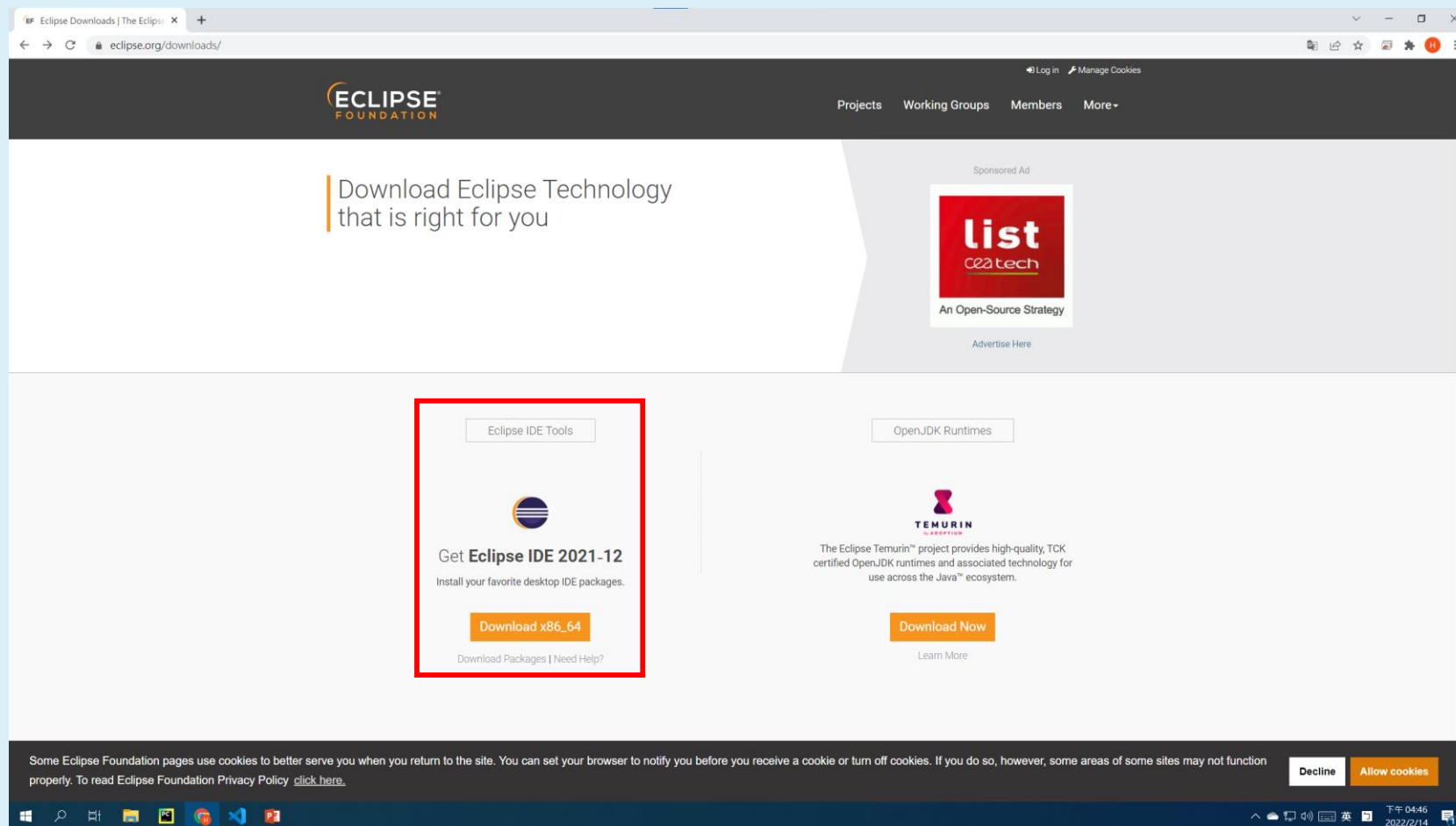
- 打開CMD(命令提示字元) ，輸入「`javac -version`」，確認先前設定是否正確



```
命令提示字元
C:\Users\EE303_Henry>javac -version
javac 17.0.2
C:\Users\EE303_Henry>
```

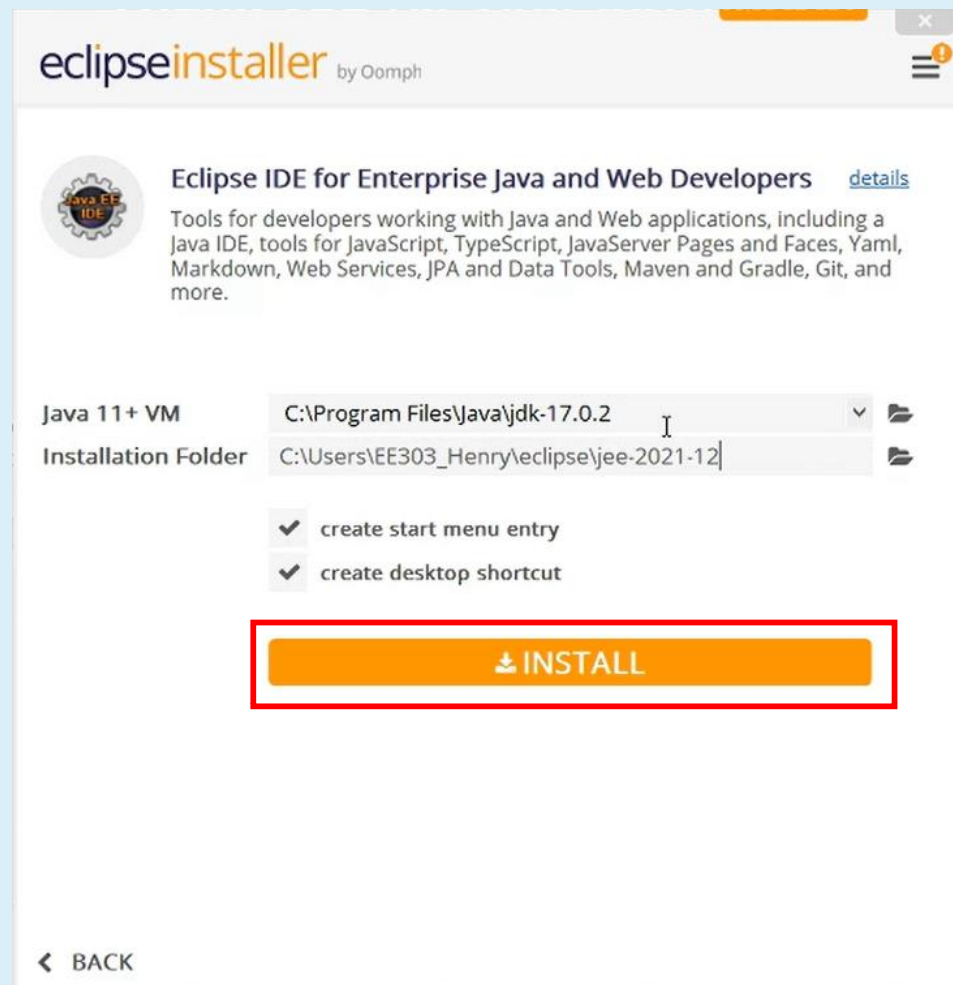
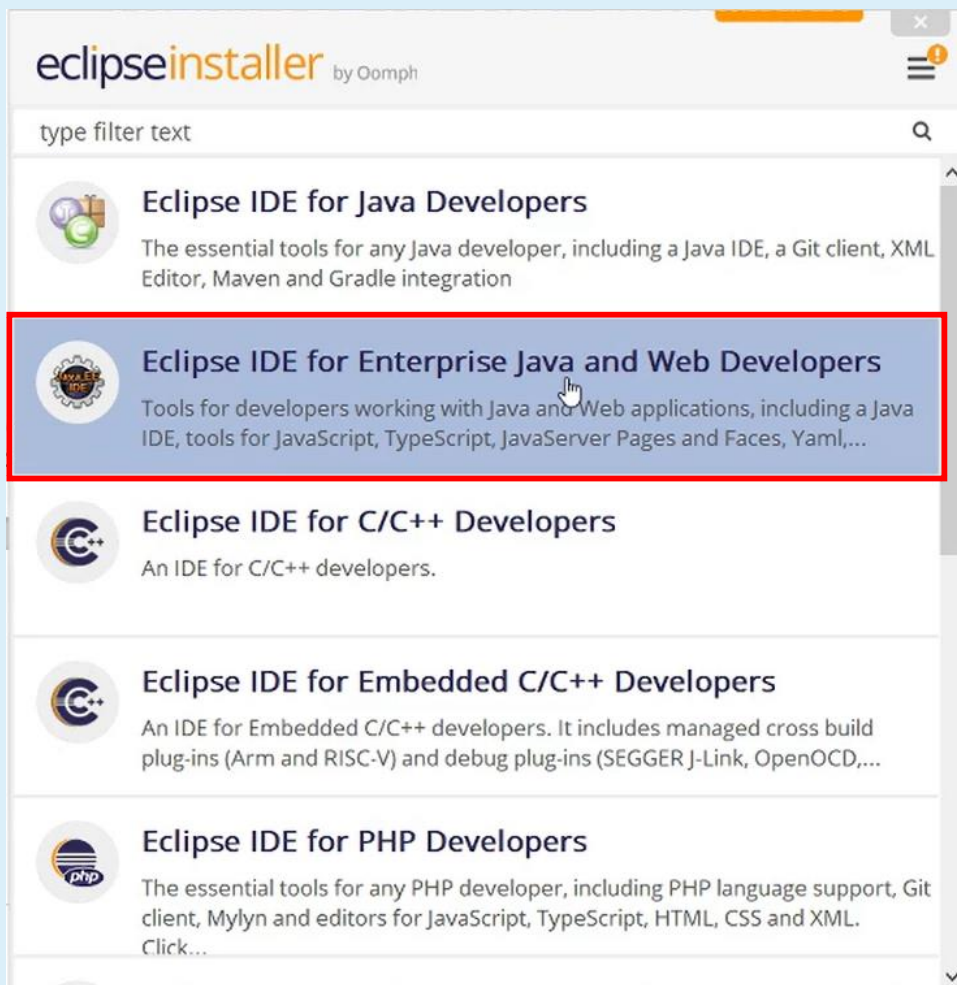
# 安裝 Eclipse

- 搜尋「Eclipse」，或點擊上方連結到官網。下載2021-12的版本



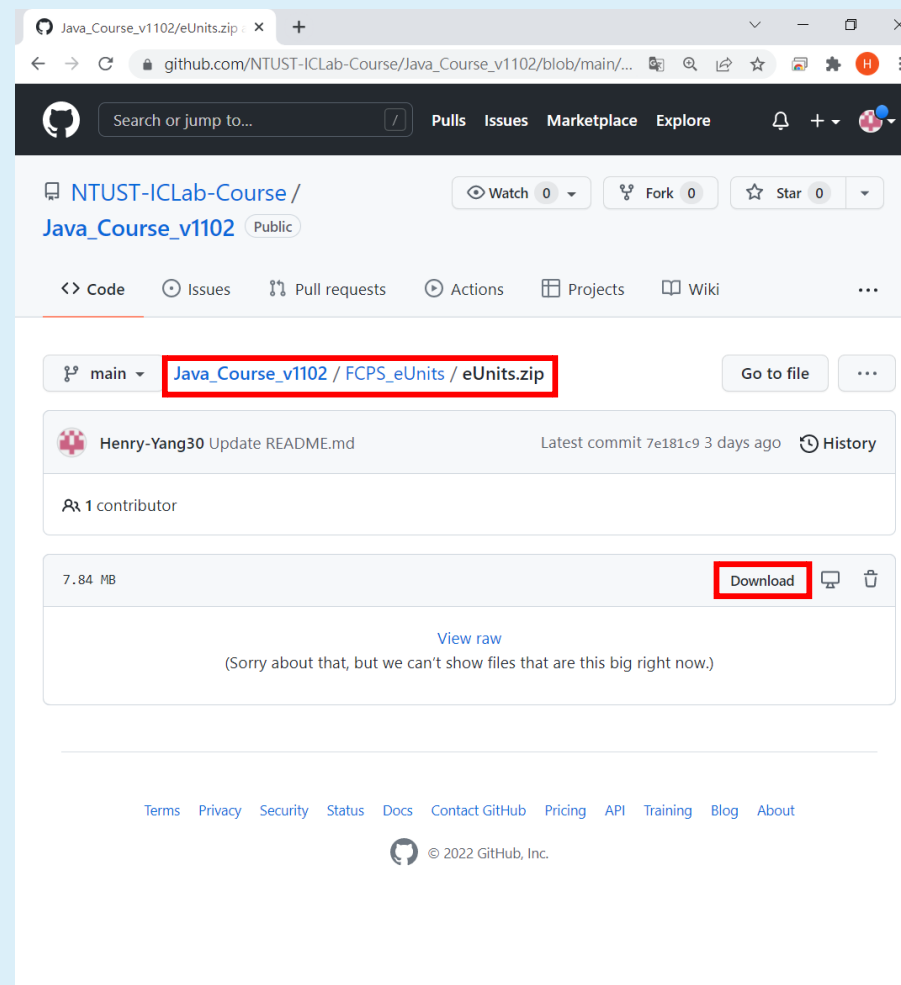
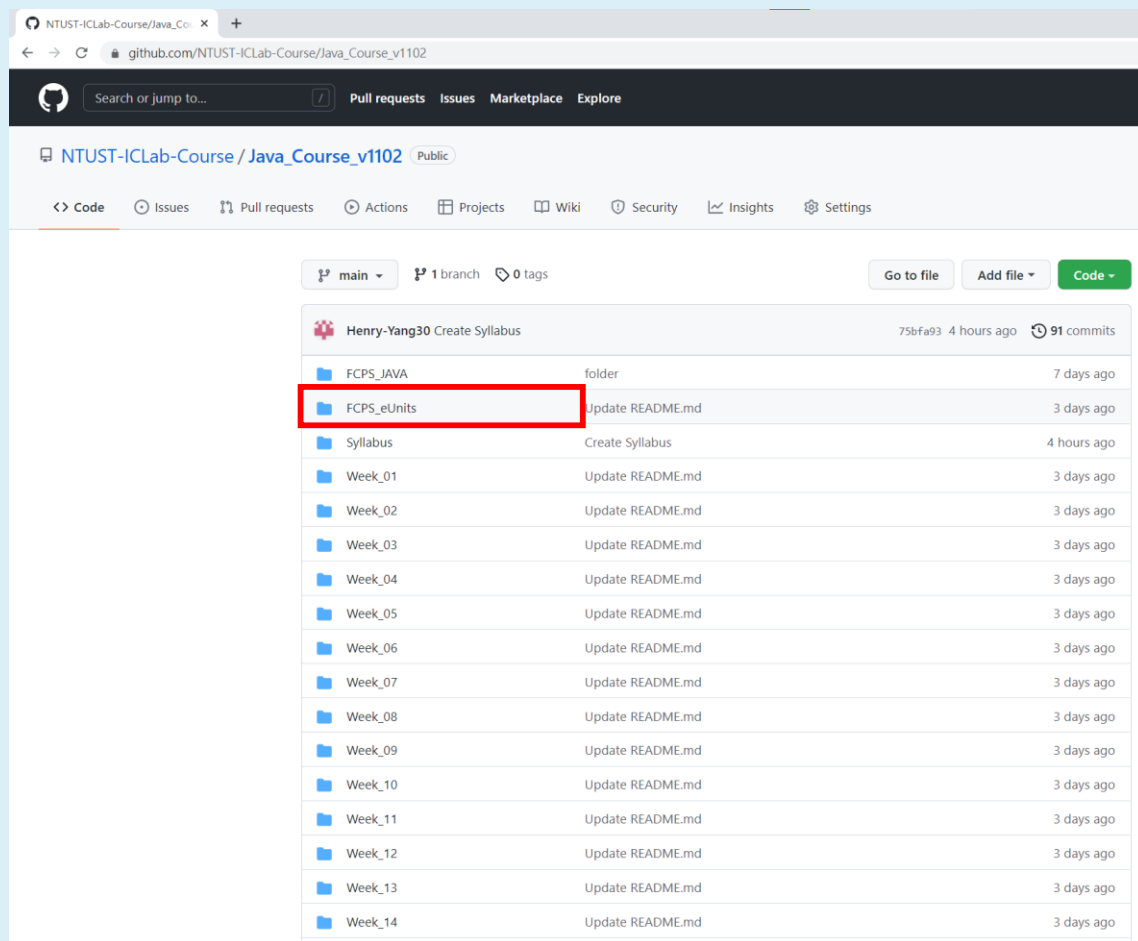
# 安裝 Eclipse

- 執行安裝檔，選擇第二個「Eclipse IDE for Enterprise Java and Web Developers」，並執行安裝



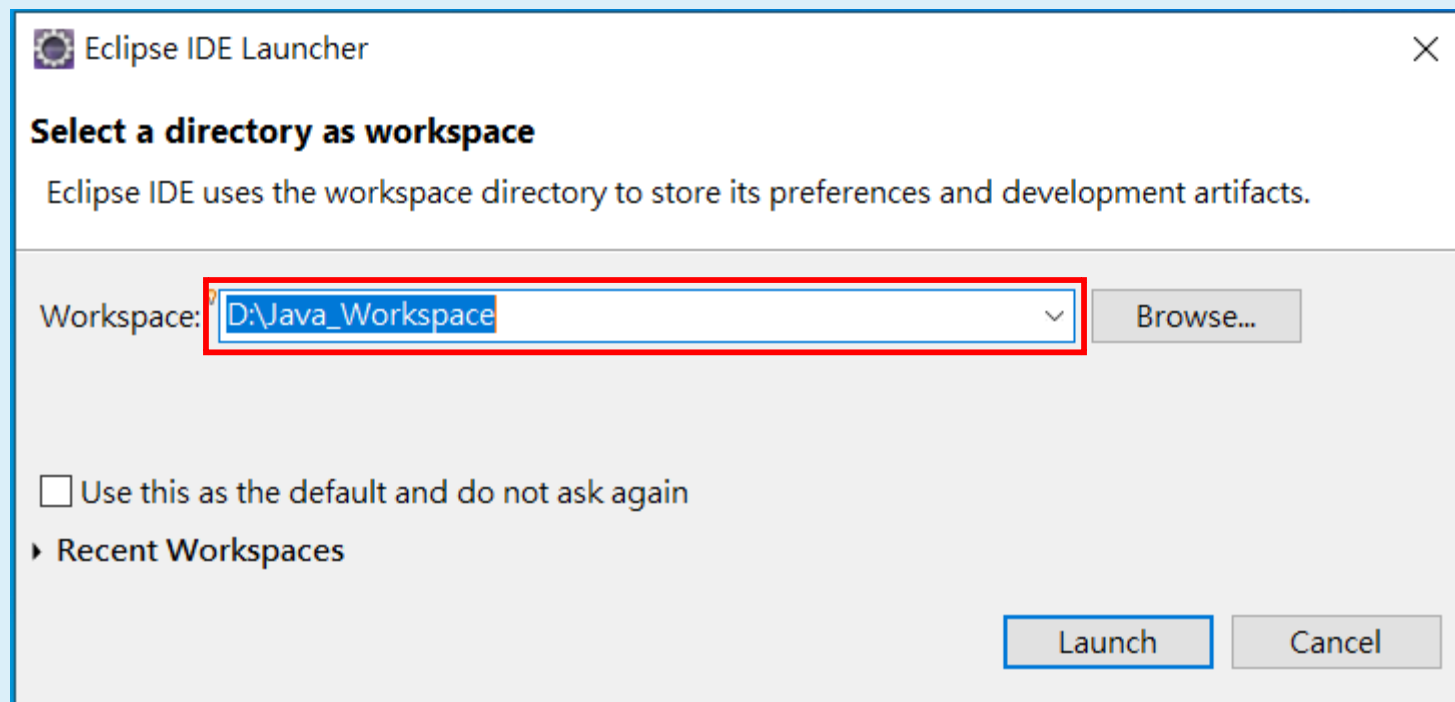
# 下載教材八成品

- 到本學期課程[GitHub](#)，在「FCPS\_eUnits」的資料夾中下載八成品後解壓縮



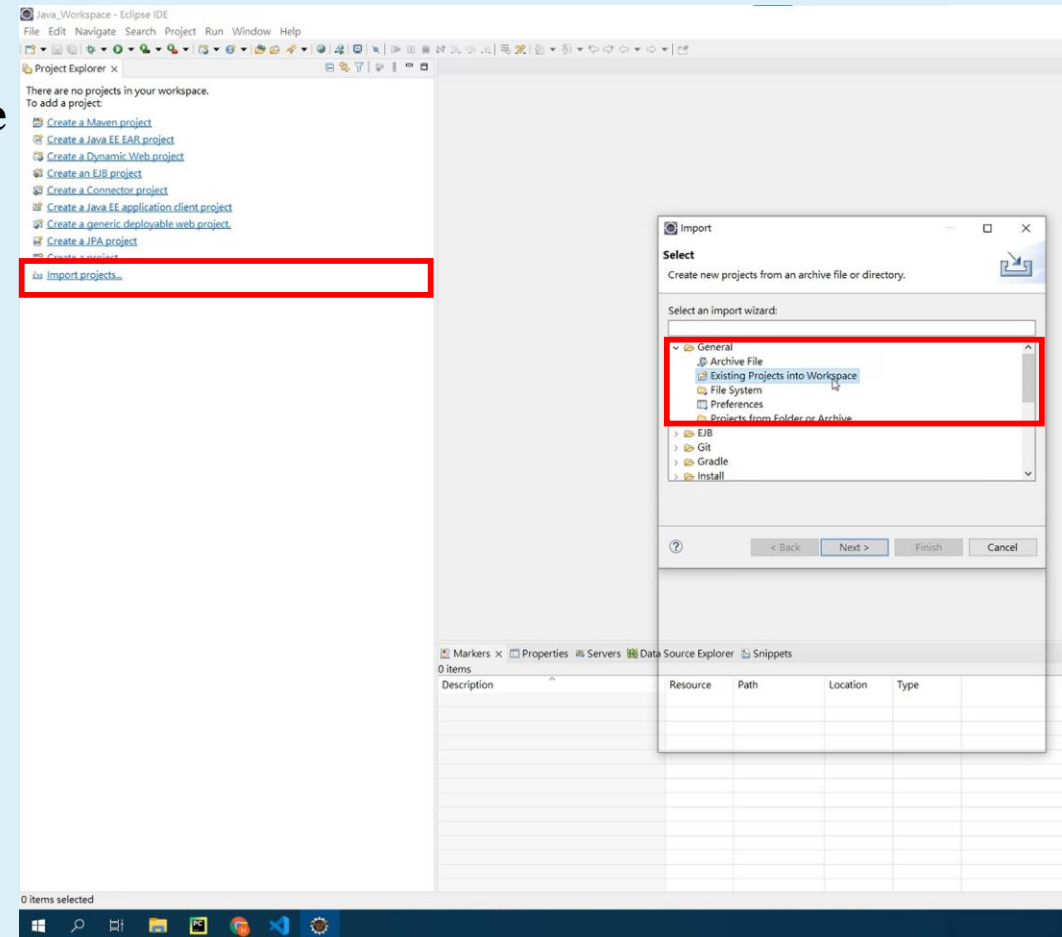
# 匯入課程八成品

- 啟動Eclipse，Workspace選擇欲存放課程code的路徑



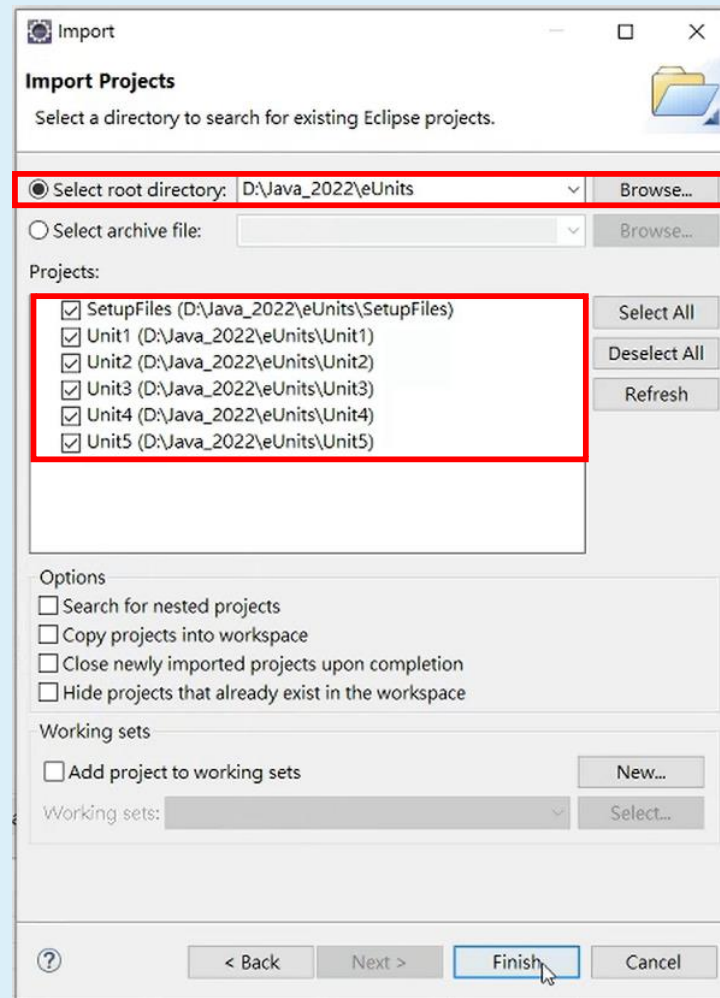
# 匯入課程八成品

1. 左側面板選擇Import projects
2. General > Existing Projects into Workspace

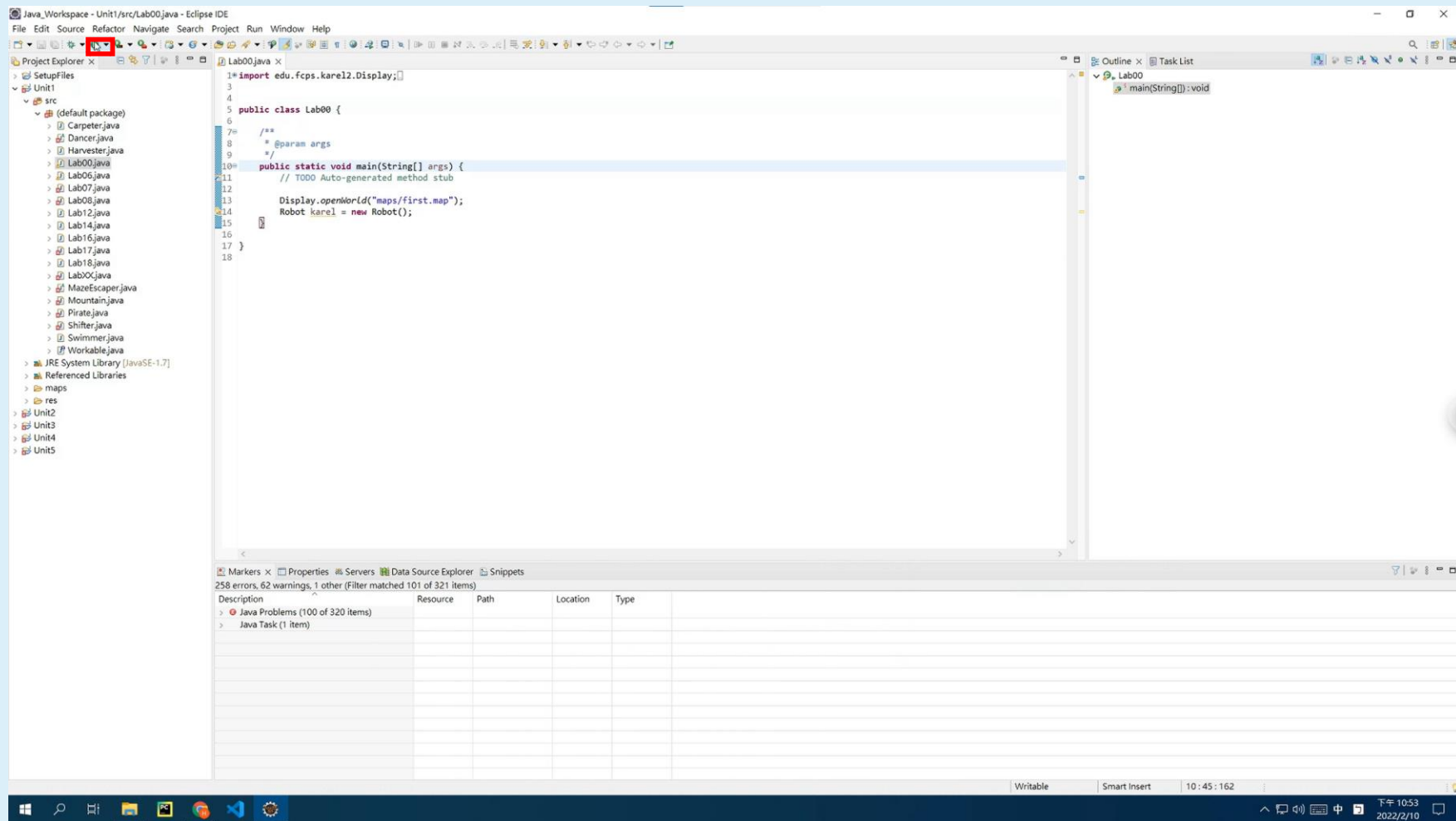


# 匯入課程八成品

3. Select root directory 填入解壓縮後eUnits的路徑
4. 將六個資料夾全部打勾後按Finish



# 執行Unit1 Lab00





如有問題可寄信給助教  
或於實習課上課時間詢問

助教聯絡方式：

楊可東 [m11007007@mail.ntust.edu.tw](mailto:m11007007@mail.ntust.edu.tw)

林晉德 [m10907327@mail.ntust.edu.tw](mailto:m10907327@mail.ntust.edu.tw)