

下載、安裝 Java 開發環境

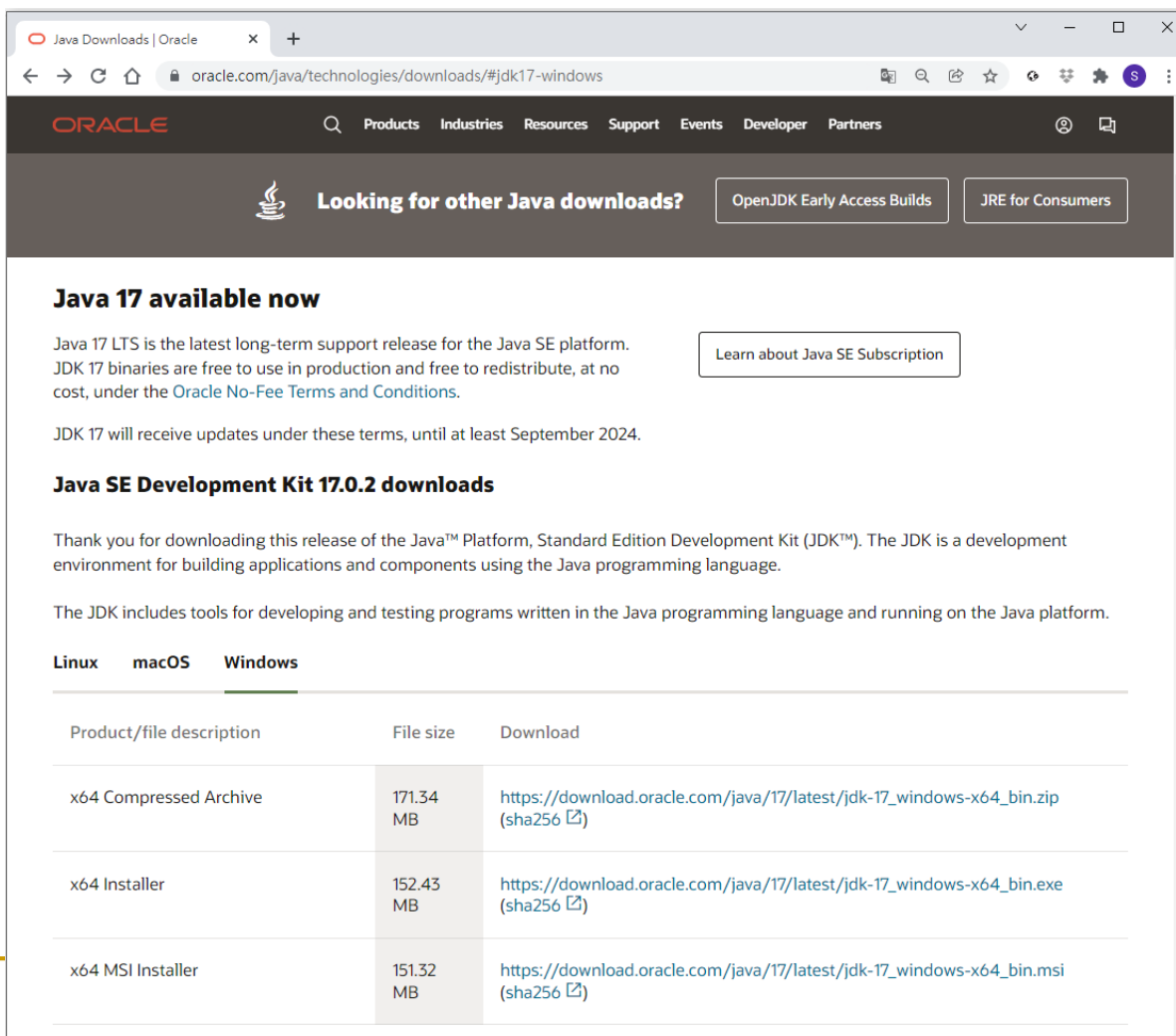
鄭安翔

ansel_cheng@hotmail.com

-
- 1) 下載、安裝 **Java SE SDK**
 - 2) 查詢、安裝 **Java SE** 文件
 - 3) 安裝文字編輯器 (NotePad++)
 - 4) 測試
-

下載、安裝 Java SE SDK

<https://www.oracle.com/java/technologies/javase-downloads.html>



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. Below the header, there's a section titled "Looking for other Java downloads?" with buttons for "OpenJDK Early Access Builds" and "JRE for Consumers". The main content area features a section titled "Java 17 available now" with text about Java 17 LTS and a button to "Learn about Java SE Subscription". Below this is a section titled "Java SE Development Kit 17.0.2 downloads" with text about the JDK and a table of download links for Linux, macOS, and Windows. The Windows section is currently selected, showing three download options: x64 Compressed Archive, x64 Installer, and x64 MSI Installer, each with its file size and download link.

Java 17 available now

Java 17 LTS is the latest long-term support release for the Java SE platform. JDK 17 binaries are free to use in production and free to redistribute, at no cost, under the [Oracle No-Fee Terms and Conditions](#).

JDK 17 will receive updates under these terms, until at least September 2024.

Java SE Development Kit 17.0.2 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 and components using the Java programming language.

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

Linux macOS Windows

Product/file description	File size	Download
x64 Compressed Archive	171.34 MB	https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.zip (sha256 🔗)
x64 Installer	152.43 MB	https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.exe (sha256 🔗)
x64 MSI Installer	151.32 MB	https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.msi (sha256 🔗)

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Java 8 Java 11

Java SE Development Kit 11.0.14

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JDK 11.0.14 [checksum](#)

Linux macOS Solaris **Windows**

Product/file description	File size	Download
x64 Installer	140.24 MB	jdk-11.0.14_windows-x64_bin.exe
x64 Compressed Archive	157.79 MB	jdk-11.0.14_windows-x64_bin.zip

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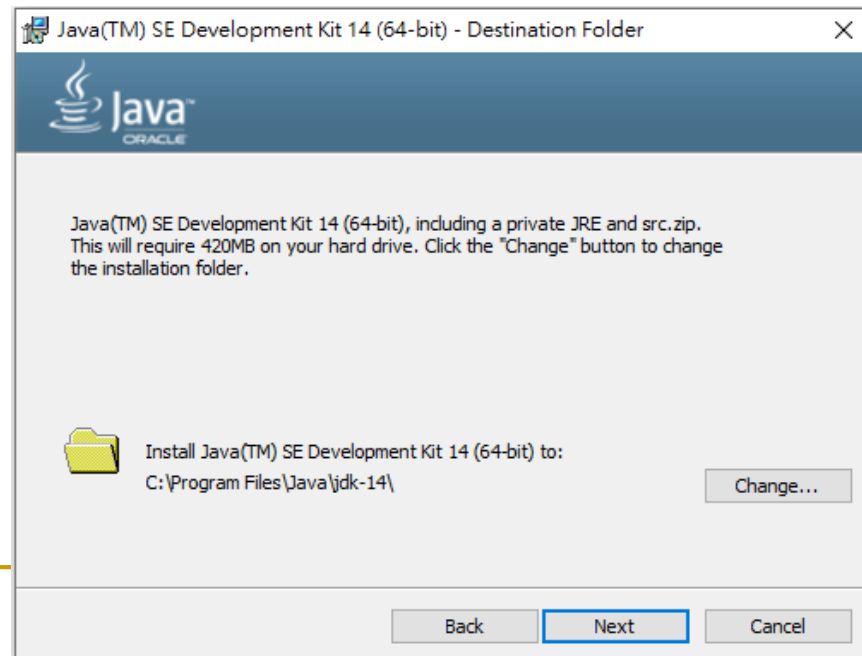
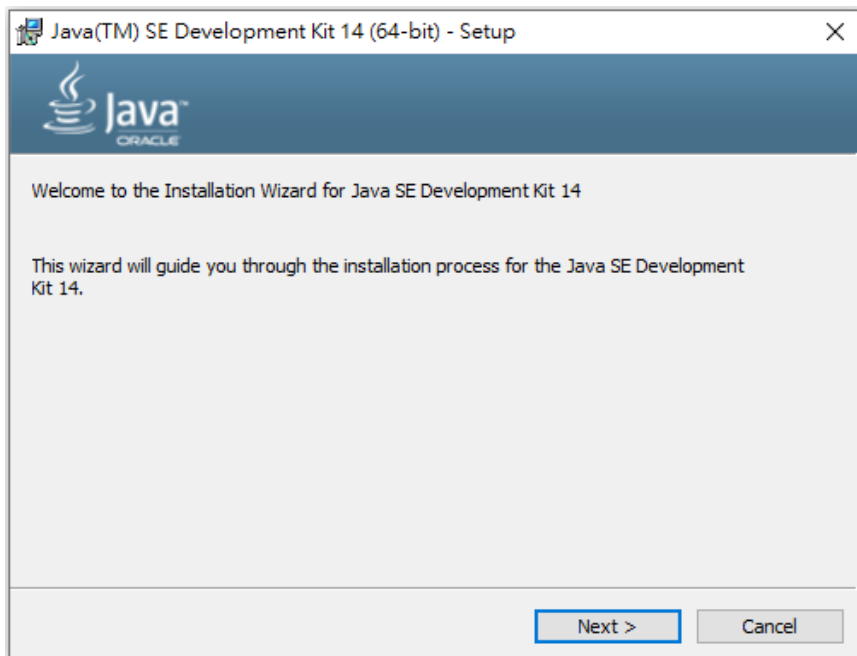
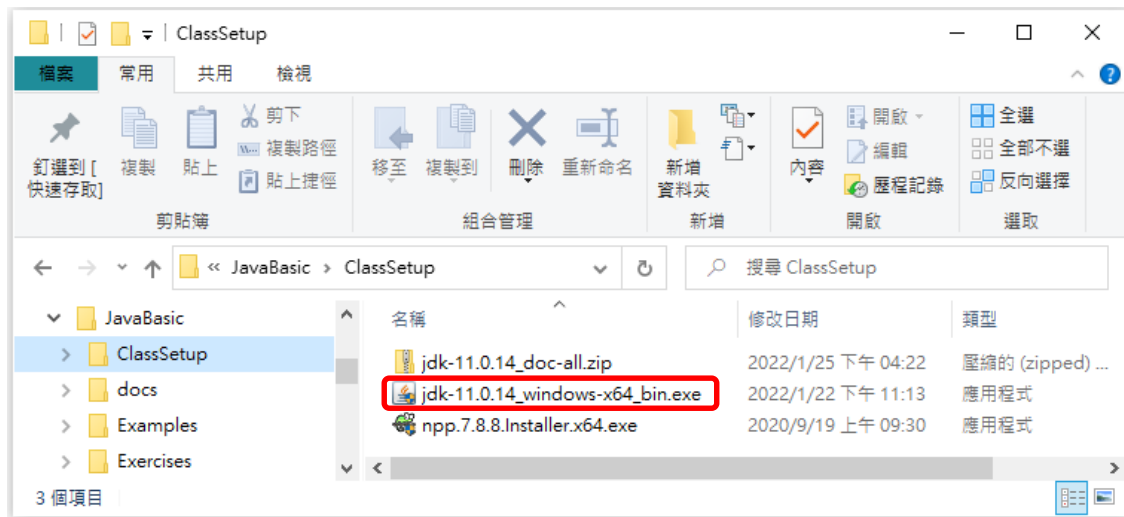
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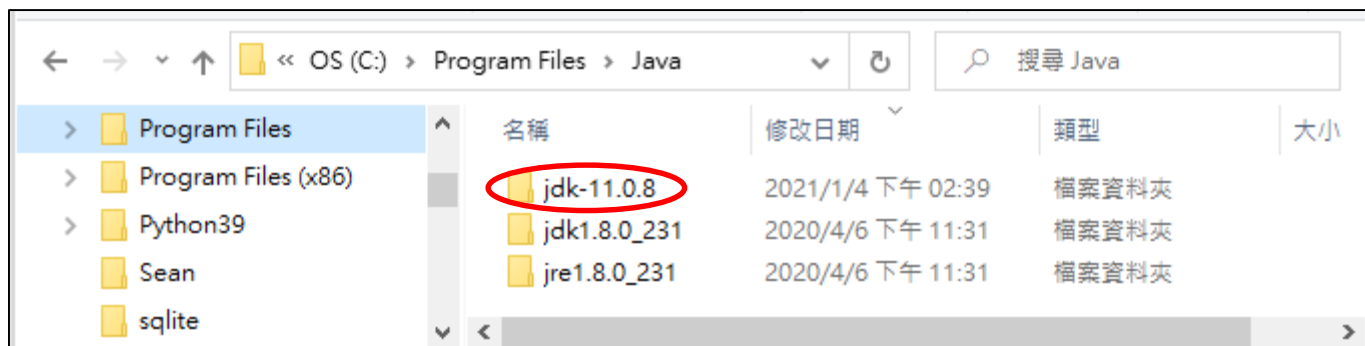
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Release information

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Overview (Java SE 11 & JDK 11)

docs.oracle.com/en/java/javase/11/docs/api/index.html

OVERVIEW MODULE PACKAGE CLASS USE TREE DEPRECATED INDEX HELP

Java SE 11 & JDK 11

ALL CLASSES SEARCH:

Java® Platform, Standard Edition & Java Development Kit Version 11 API Specification

This document is divided into two sections:

Java SE

The Java Platform, Standard Edition (Java SE) APIs define the core Java platform for general-purpose computing. These APIs are in modules whose names start with java.

JDK

The Java Development Kit (JDK) APIs are specific to the JDK and will not necessarily be available in all implementations of the Java SE Platform. These APIs are in modules whose names start with jdk.

All Modules	Java SE	JDK	Other Modules
Module	Description		
java.base	Defines the foundational APIs of the Java SE Platform.		
java.compiler	Defines the Language Model, Annotation Processing, and Java Compiler APIs.		
java.datatransfer	Defines the API for transferring data between and within applications.		
java.desktop	Defines the AWT and Swing user interface toolkits, plus APIs for accessibility, audio, imaging, printing, and JavaBeans.		
java.instrument	Defines services that allow agents to instrument programs running on the JVM.		
java.logging	Defines the Java Logging API.		
java.management	Defines the Java Management Extensions (JMX) API.		
java.management.rmi	Defines the RMI connector for the Java Management Extensions (JMX) Remote API.		
java.naming	Defines the Java Naming and Directory Interface (JNDI) API.		
java.net.http	Defines the HTTP Client and WebSocket APIs.		
java.prefs	Defines the Preferences API.		
java.rmi	Defines the Remote Method Invocation (RMI) API.		
java.scripting	Defines the Scripting API.		
java.se	Defines the API of the Java SE Platform.		
java.security.jgss	Defines the Java binding of the IETF Generic Security Services API (GSS-API).		

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下載、安裝 Java SE 文件

The screenshot shows the Oracle Java SE Downloads page for JDK 11.0.14. The page is divided into two main sections. The left section, titled "Java SE subscribers have more choices", lists the available download options for Java 8 and Java 11. The right section, titled "Java SE Development Kit 11.0.14", provides the download link for the documentation. A red circle highlights the "Documentation Download" button in the left section and the download link in the right section. A license agreement dialog box is also visible at the bottom right.

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JDK 11.0.14 [checksum](#)

Linux **macOS** **Solaris** **Windows**

Product/file description	File size	Download
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- [Online Documentation](#)
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Java SE Development Kit 11.0.14 Documentation

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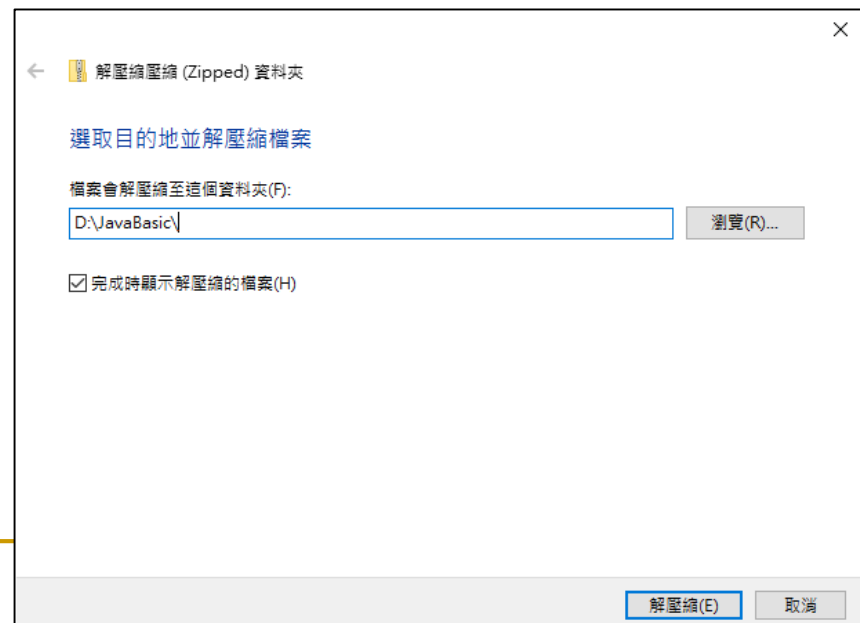
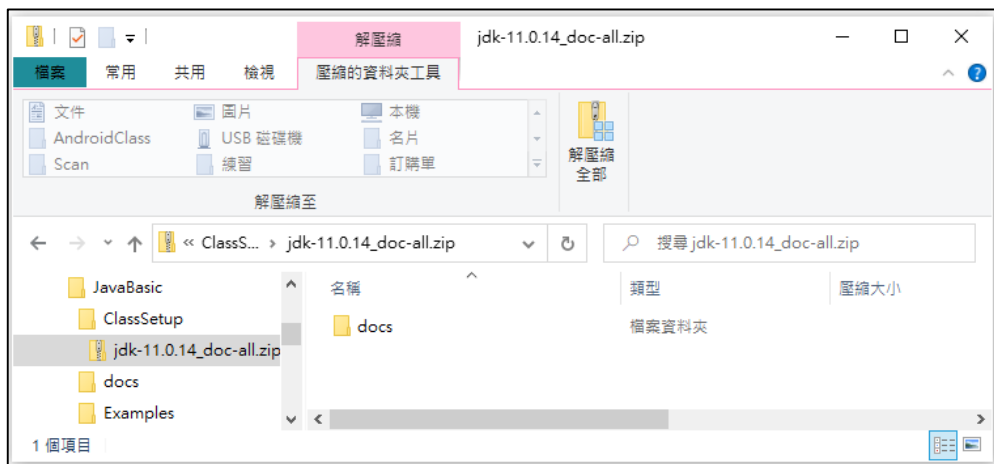
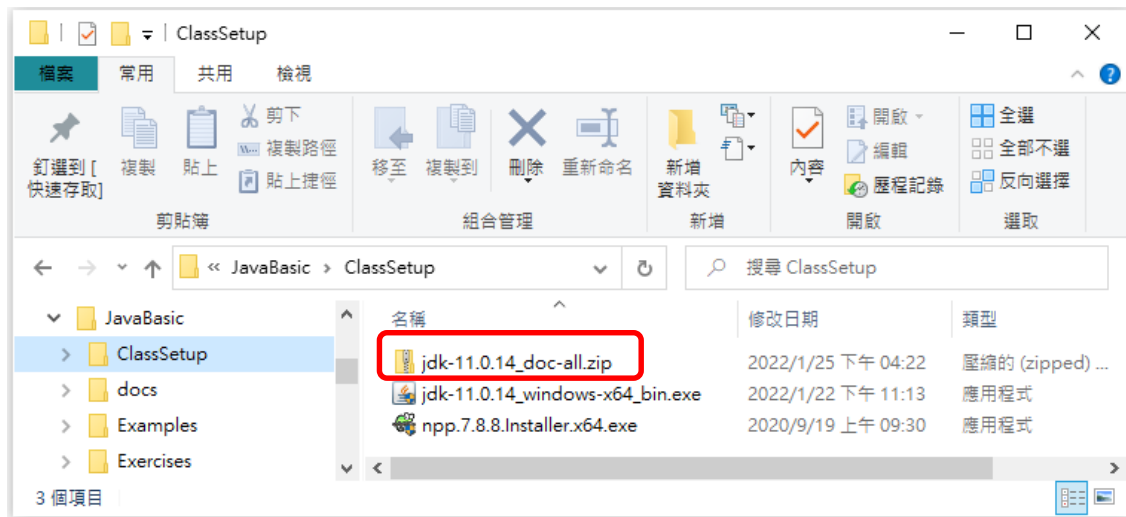
Product / File Description	File Size	Download
Documentation	51.31 MB	jdk-11.0.14_doc-all.zip

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OVERVIEW MODULE PACKAGE CLASS USE TREE DEPRECATED INDEX HELP Java SE 11 & JDK 11

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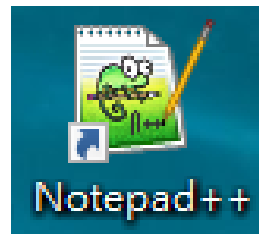
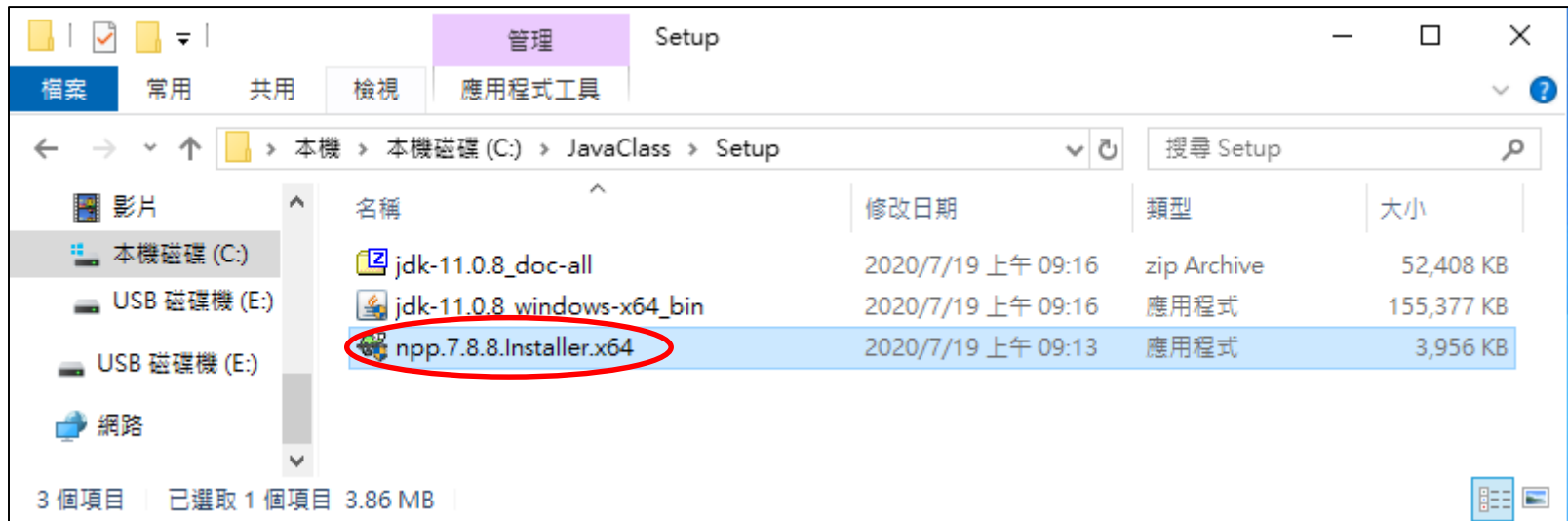
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安裝文字編輯器 (Notepad++)



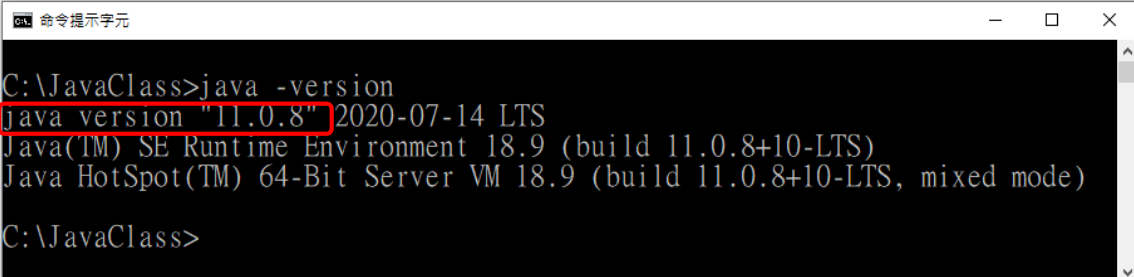
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測試

■ 測試環境變數

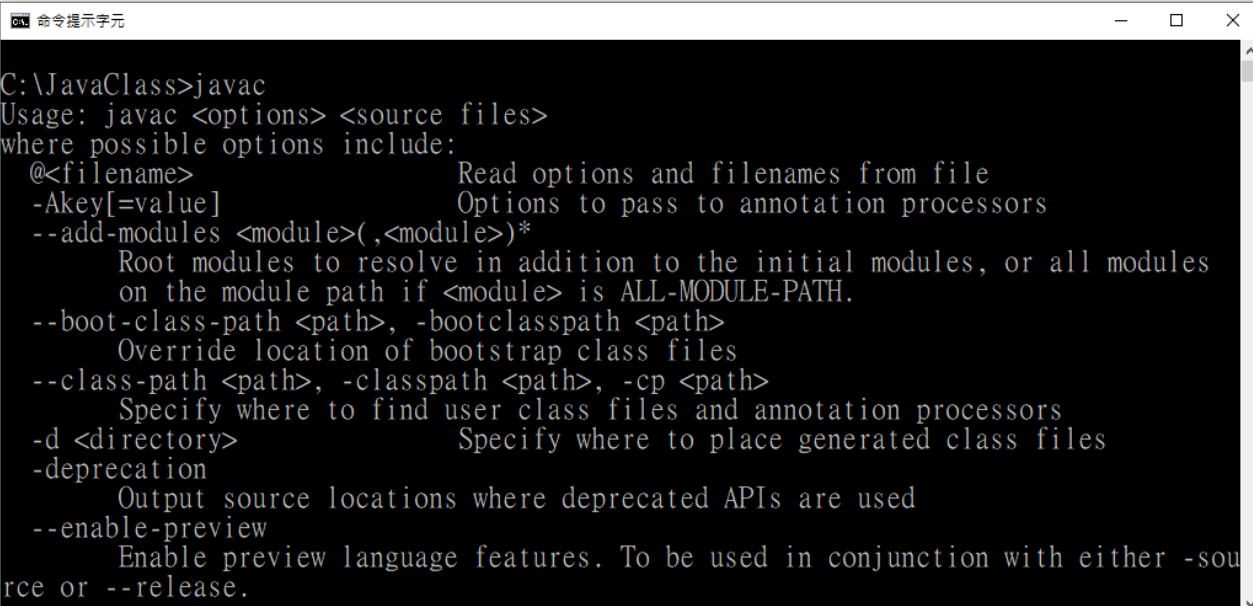
❑ java -version

❑ javac



```
C:\JavaClass>java -version
java version "11.0.8" 2020-07-14 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.8+10-LTS)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.8+10-LTS, mixed mode)

C:\JavaClass>
```



```
C:\JavaClass>javac
Usage: javac <options> <source files>
where possible options include:
    @<filename>           Read options and filenames from file
    -Akey[=value]         Options to pass to annotation processors
    --add-modules <module>(,<module>)*
                           Root modules to resolve in addition to the initial modules, or all modules
                           on the module path if <module> is ALL-MODULE-PATH.
    --boot-class-path <path>, -bootclasspath <path>
                           Override location of bootstrap class files
    --class-path <path>, -classpath <path>, -cp <path>
                           Specify where to find user class files and annotation processors
    -d <directory>        Specify where to place generated class files
    -deprecation           Output source locations where deprecated APIs are used
    --enable-preview       Enable preview language features. To be used in conjunction with either -source
                           or --release.
```