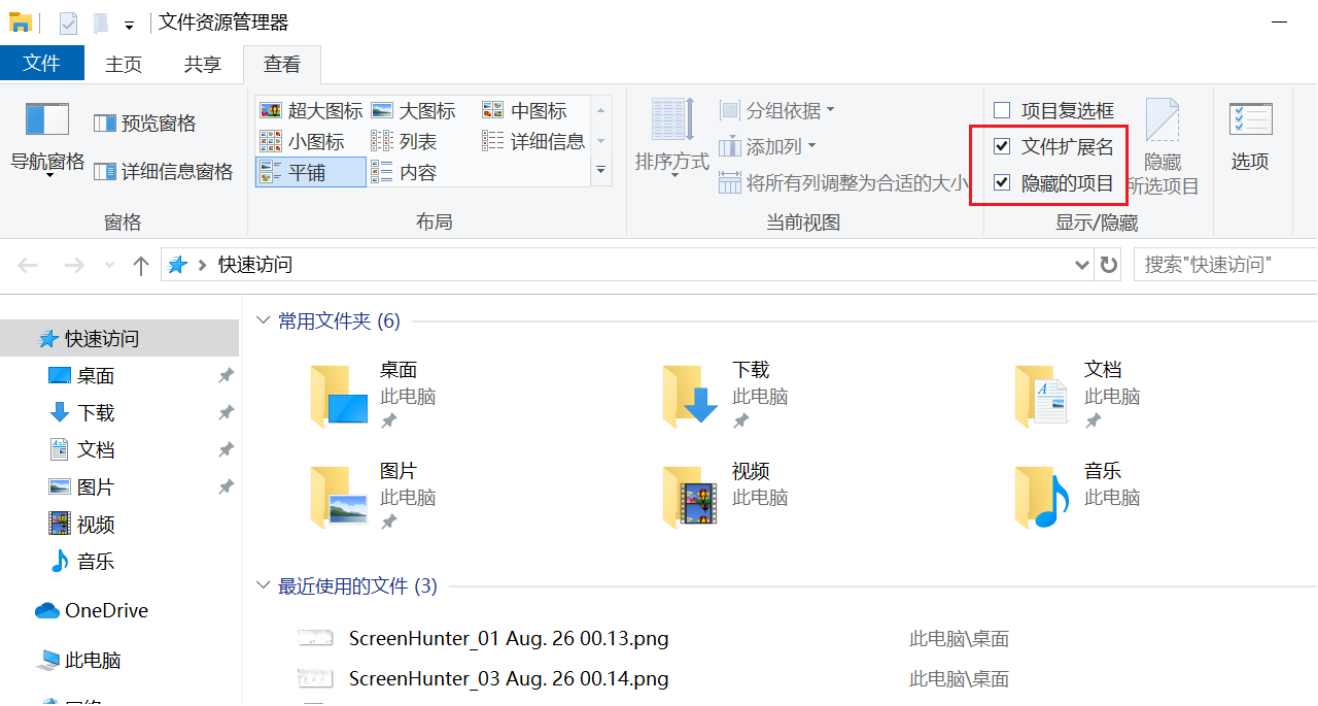


Ready for Code - Window OS

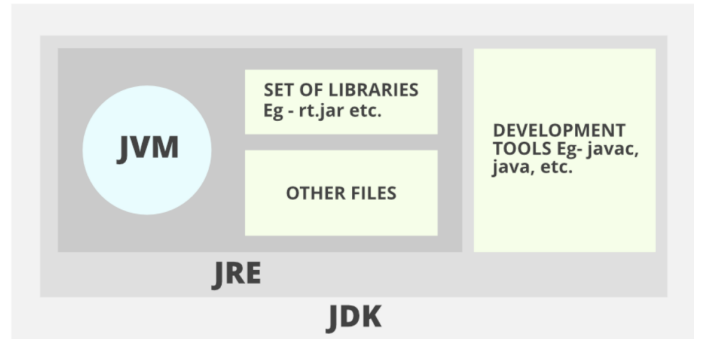
Part 1: Basics & Prerequisites

Show hidden files & file extensions

- View -> "File name extensions" & "Hidden items", check both boxes.
- File name extensions are convenient for developers to handle & visualize code source files
- Lots of generated files/ config files are in hidden mode. We should visualize them for development.



Part 2: Install JDK



Based on your laptop specification, choose the corresponding JDK version to download.

x86 64bit : https://cdn.azul.com/zulu/bin/zulu17.36.17-ca-jdk17.0.4.1-win_x64.zip

x86 32bit : https://cdn.azul.com/zulu/bin/zulu17.36.19-ca-jdk17.0.4.1-win_i686.zip

arm 64 bit : https://cdn.azul.com/zulu/bin/zulu17.36.17-ca-jdk17.0.4.1-win_aarch64.zip

LATEST 17.0.4.1+1 Azul Zulu: 17.36.17	Windows 2012r2 or later	x86 64-bit	JDK	Checksum (SHA256) JSE 17 Certificate How to install?	Download .zip
				Checksum (SHA256) JSE 17 Certificate How to install?	Download .msi
LATEST 17.0.4.1+1 Azul Zulu: 17.36.17	Windows 2012r2 or later	ARM 64-bit v8	JDK	Checksum (SHA256) JSE 17 Certificate How to install?	Download .zip
LATEST 17.0.4.1+1 Azul Zulu: 17.36.19	Windows 2012r2 or later	x86 32-bit	JDK	Checksum (SHA256) JSE 17 Certificate How to install?	Download .zip
				Checksum (SHA256) JSE 17 Certificate How to install?	Download .msi

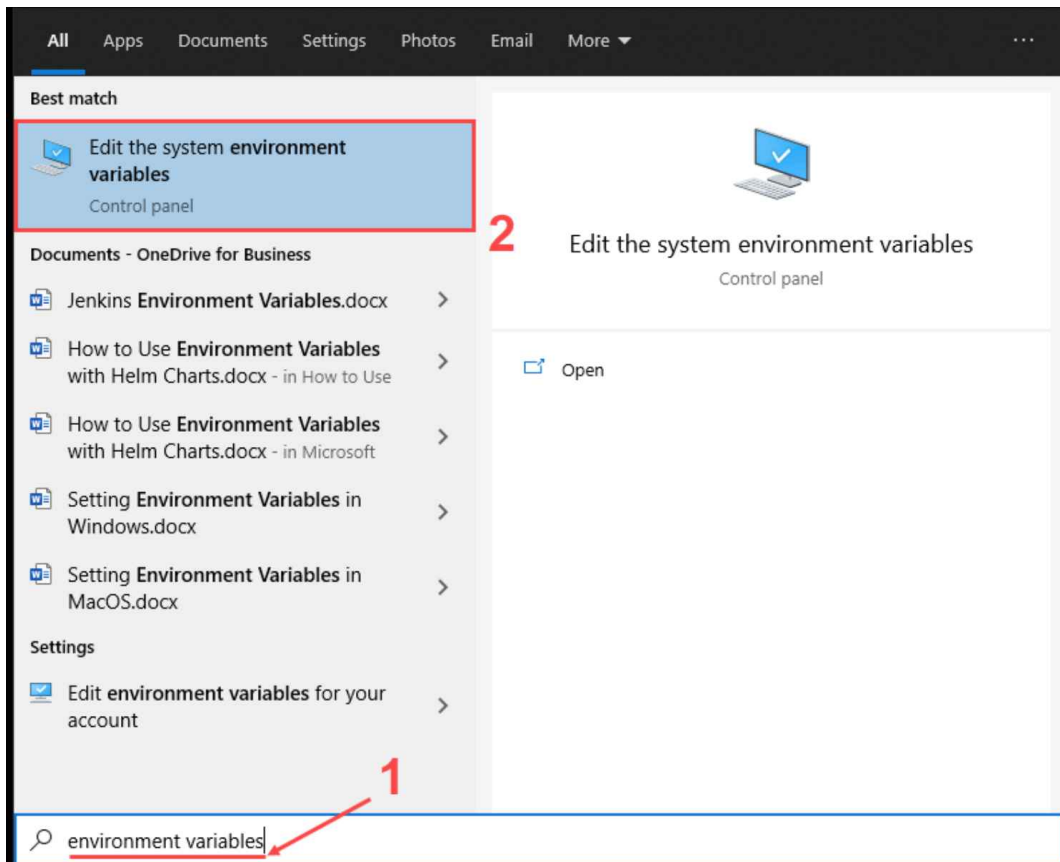
- Place the unzipped package inside your preferred subfolder.

For example, C:\software\zulu17.36.17-ca-jdk17.0.4.1-win_x64

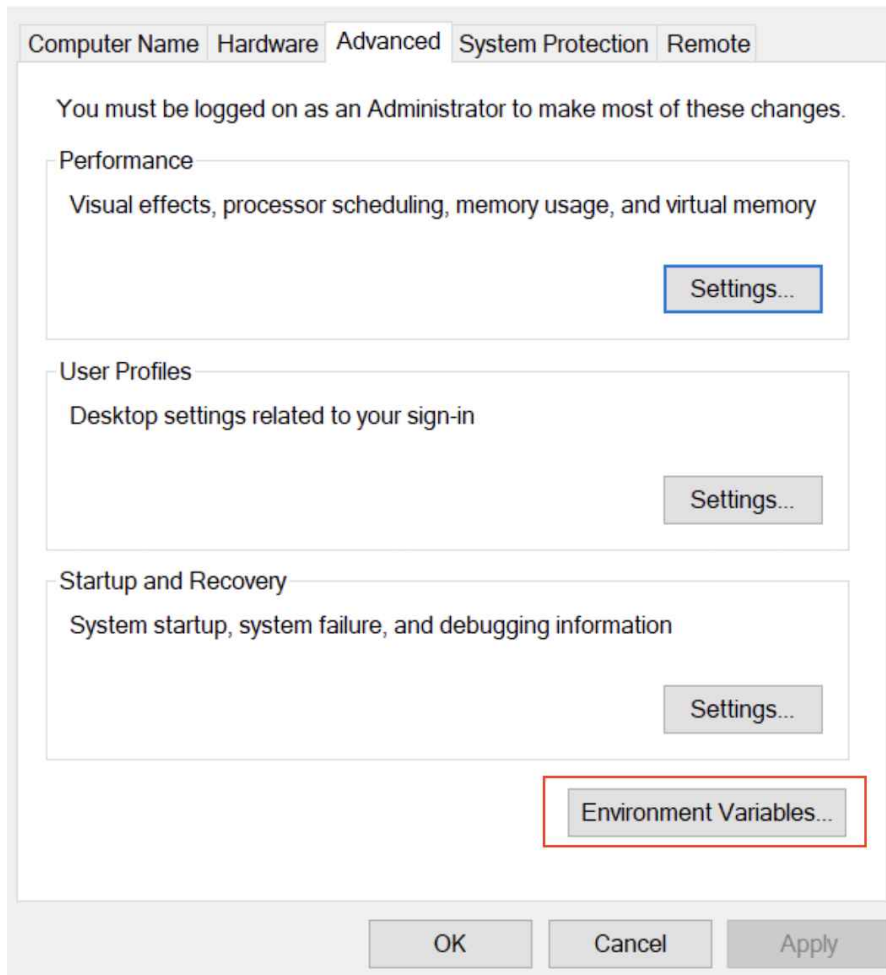
速访问"	粘贴快捷方式	文件夹	历史记录	反向选择
剪贴板	组织	新建	打开	选择
← → ▾ ↑ 此电脑 > Windows (C:) > software > zulu17.36.17-ca-jdk17.0.4.1-win_x64 ▾ ↻ 搜索"zulu17.36.17-ca-jdk17..."				
快速访问	名称	修改日期	类型	大小
★ 快速访问				
桌面	bin	2022/8/26 0:54	文件夹	
↓ 下载	conf	2022/8/26 0:54	文件夹	
文档	demo	2022/8/26 0:55	文件夹	
图片	include	2022/8/26 0:55	文件夹	
视频	jmods	2022/8/26 0:55	文件夹	
音乐	legal	2022/8/26 0:55	文件夹	
OneDrive	lib	2022/8/26 0:55	文件夹	
此电脑	DISCLAIMER	2022/8/26 0:54	文件	3 KB
网络	readme.txt	2022/8/26 0:54	文本文档	1 KB
	release	2022/8/26 0:54	文件	2 KB
	Welcome.html	2022/8/26 0:54	HTML 文件	2 KB

- Setup %PATH% & %JAVA_HOME%

Go to "System enviroment variables" in the control panel



- Advanced -> Environment Variables



- In System variables, select "Path", and then "Edit".

User variables for Lydia

Variable	Value
OneDrive	C:\Users\Lydia\OneDrive
Path	C:\Users\Lydia\AppData\Local\Microsoft\WindowsApps;
TEMP	C:\Users\Lydia\AppData\Local\Temp
TMP	C:\Users\Lydia\AppData\Local\Temp

New... Edit... Delete

System variables

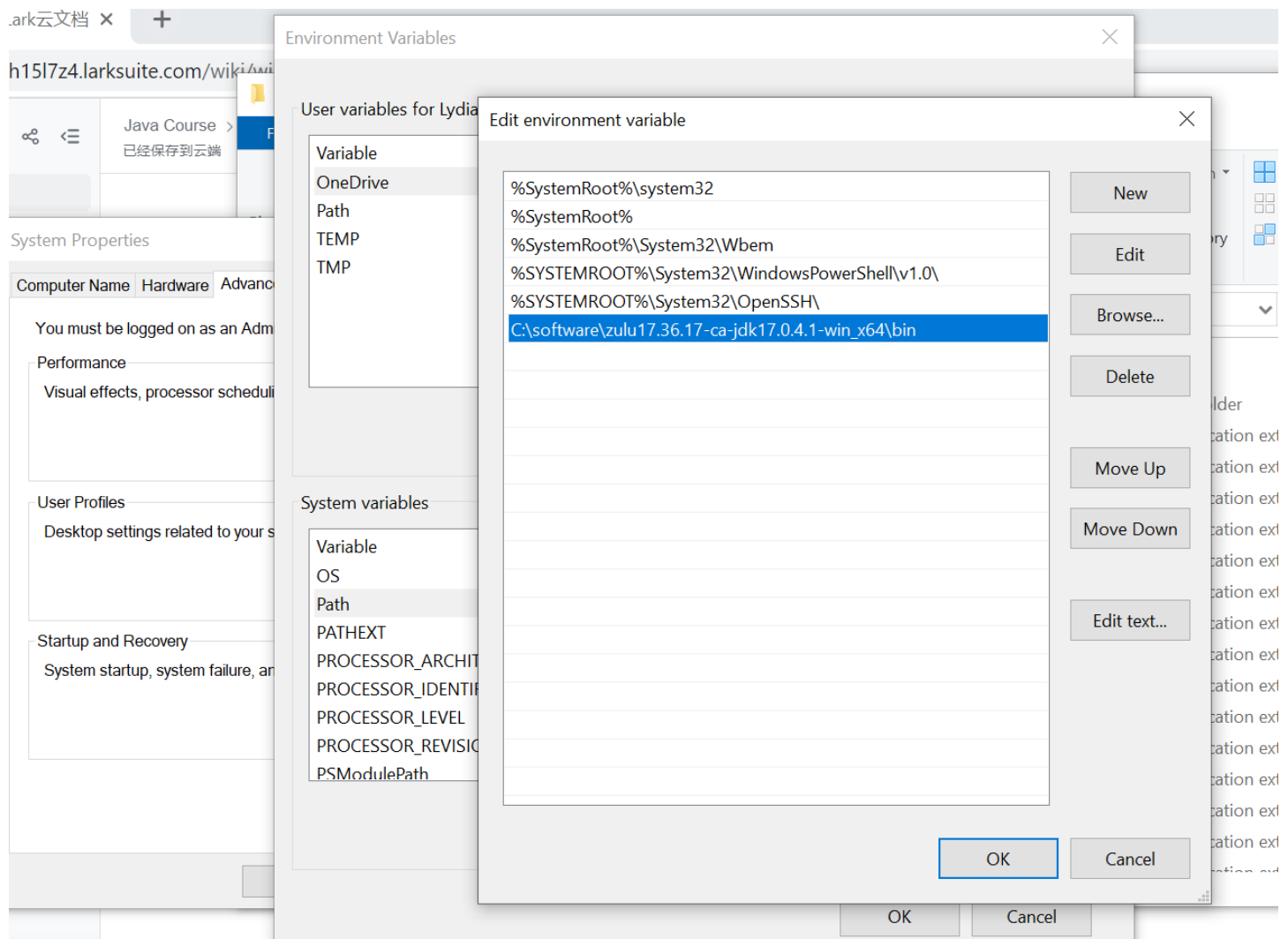
Variable	Value
OS	Windows_NT
Path	C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbe...
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC
PROCESSOR_ARCHITECTURE	AMD64
PROCESSOR_IDENTIFIER	Intel64 Family 6 Model 142 Stepping 12, GenuineIntel
PROCESSOR_LEVEL	6
PROCESSOR_REVISION	8e0c
PSModulePath	%ProgramFiles%\WindowsPowerShell\Modules;C:\Windows\svst...

New... Edit... Delete

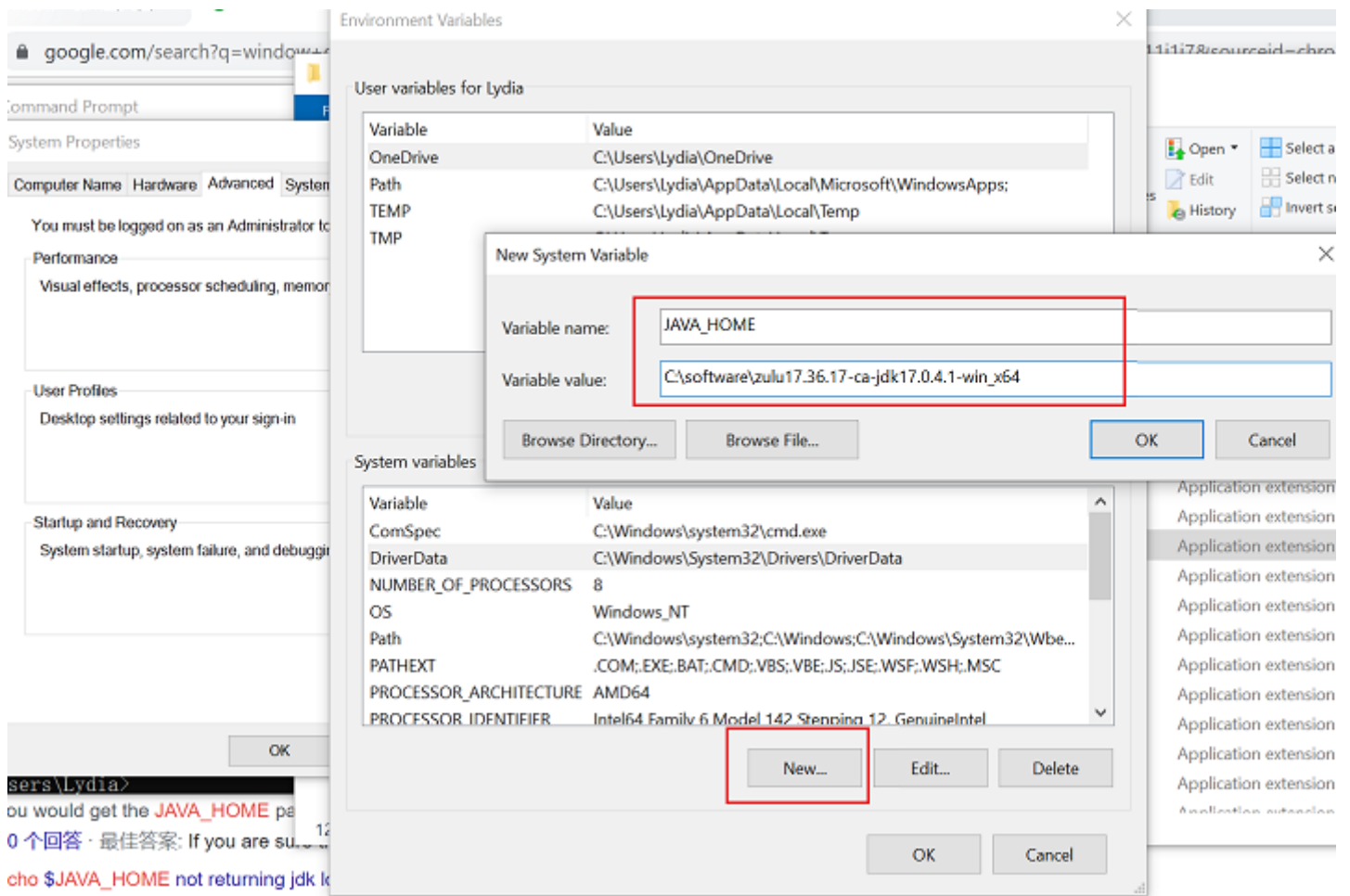
OK Cancel

- Click "New", and place the JDK installed path as below.

C:\software\zulu17.36.17-ca-jdk17.0.4.1-win_x64\bin



- Back to "System variables", "New" a new variable "JAVA_HOME", and place the JDK installed path (the path **not includes** \bin).
- C:\software\zulu17.36.17-ca-jdk17.0.4.1-win_x64



[result check]

- CMD to check if JDK is installed correctly

```
1 java --version
```

```
1 echo %JAVA_HOME%
```

```
1 echo %PATH%
```

```

Select Command Prompt
Microsoft Windows [Version 10.0.18362.836]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Lydia>cd ..

C:\Users>java --version
openjdk 17.0.4.1 2022-08-12 LTS
OpenJDK Runtime Environment Zulu17.36+17-CA (build 17.0.4.1+1-LTS)
OpenJDK 64-Bit Server VM Zulu17.36+17-CA (build 17.0.4.1+1-LTS, mixed mode, sharing)

C:\Users>echo %JAVA_HOME%
C:\software\zulu17.36.17-ca-jdk17.0.4.1-win_x64

C:\Users>echo %PATH%
C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Windows\System32\OpenSSH\;C:\software\zulu17.36.17-ca-jdk17.0.4.1-win_x64\bin;C:\Users\Lydia\AppData\Local\Microsoft\WindowsApps;

```

- "javac" should show guidelines on how to use javac.

```

Command Prompt
C:\Users>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.
  -encoding <encoding>       Specify character encoding used by source files
  -endorseddirs <dirs>       Override location of endorsed standards path
  -extdirs <dirs>            Override location of installed extensions
  -g                          Generate all debugging info

```

Part 3: Install VSCode



3.1 Install VSCode from Official Site

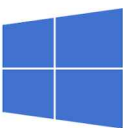
- Install VSCode in Windows OS directly, you can still use VSCode in Ubuntu Env.


[VScode Download](#) - Choose Windows x64 zip file (depends on the system type)


Version 1.74 is now available! Read about the new features and fixes from November.

Download Visual Studio Code

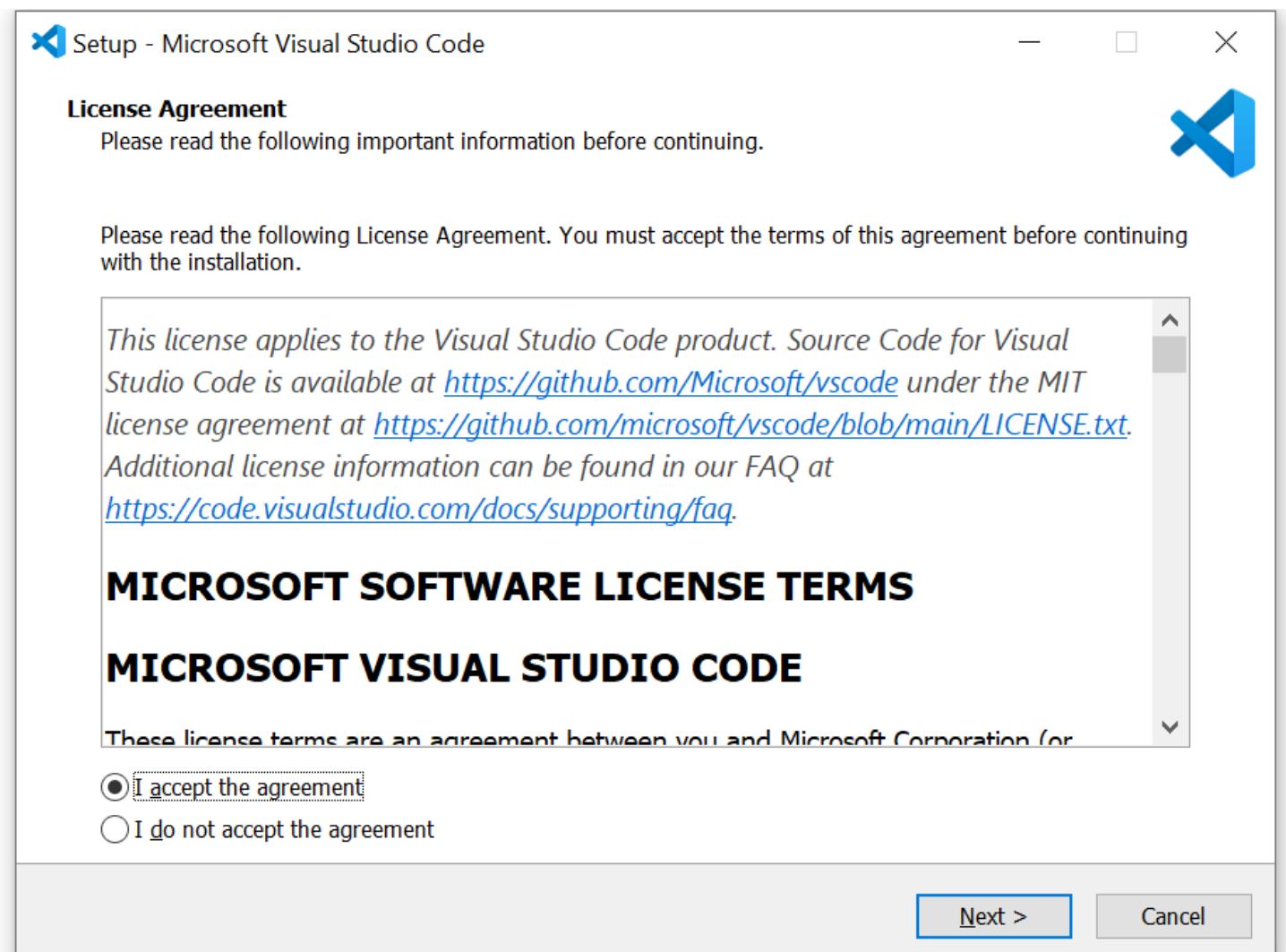
Free and built on open source. Integrated Git, debugging and extensions.


↓ Windows
Windows 8, 10, 11
User Installer [x64](#) [x86](#) [Arm64](#)
System Installer [x64](#) [x86](#) [Arm64](#)
.zip [x64](#) [x86](#) [Arm64](#)
CLI [x64](#) [x86](#) [Arm64](#)

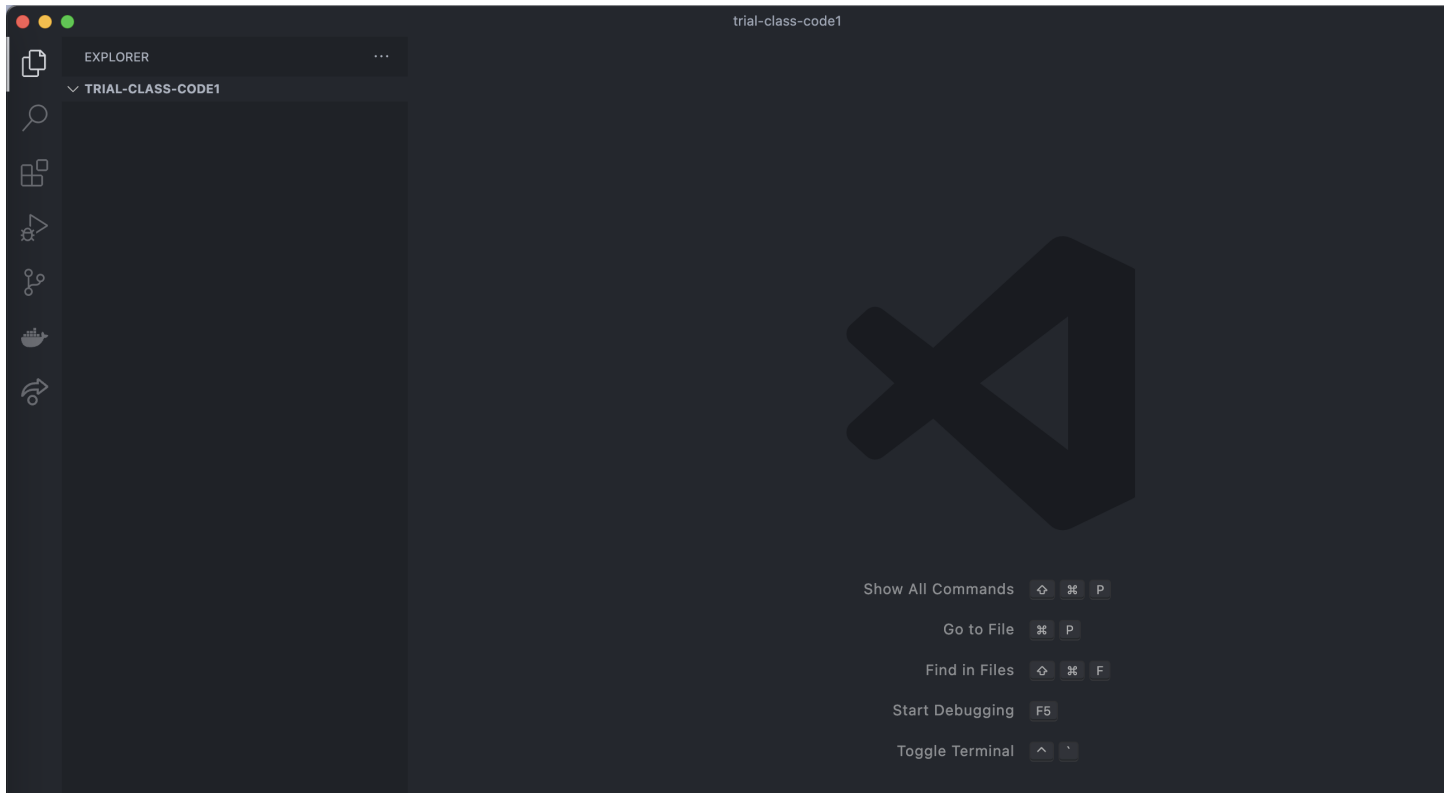

↓ .deb
Debian, Ubuntu
↓ .rpm
Red Hat, Fedora, SUSE
.deb [x64](#) [Arm32](#) [Arm64](#)
.rpm [x64](#) [Arm32](#) [Arm64](#)
.tar.gz [x64](#) [Arm32](#) [Arm64](#)
Snap [Snap Store](#)
CLI [x64](#) [Arm32](#) [Arm64](#)


↓ Mac
macOS 10.11+
.zip [Intel chip](#) [Apple silicon](#) [Universal](#)
CLI [Intel chip](#) [Apple silicon](#)

- After downloading and unzipping, start the installation.

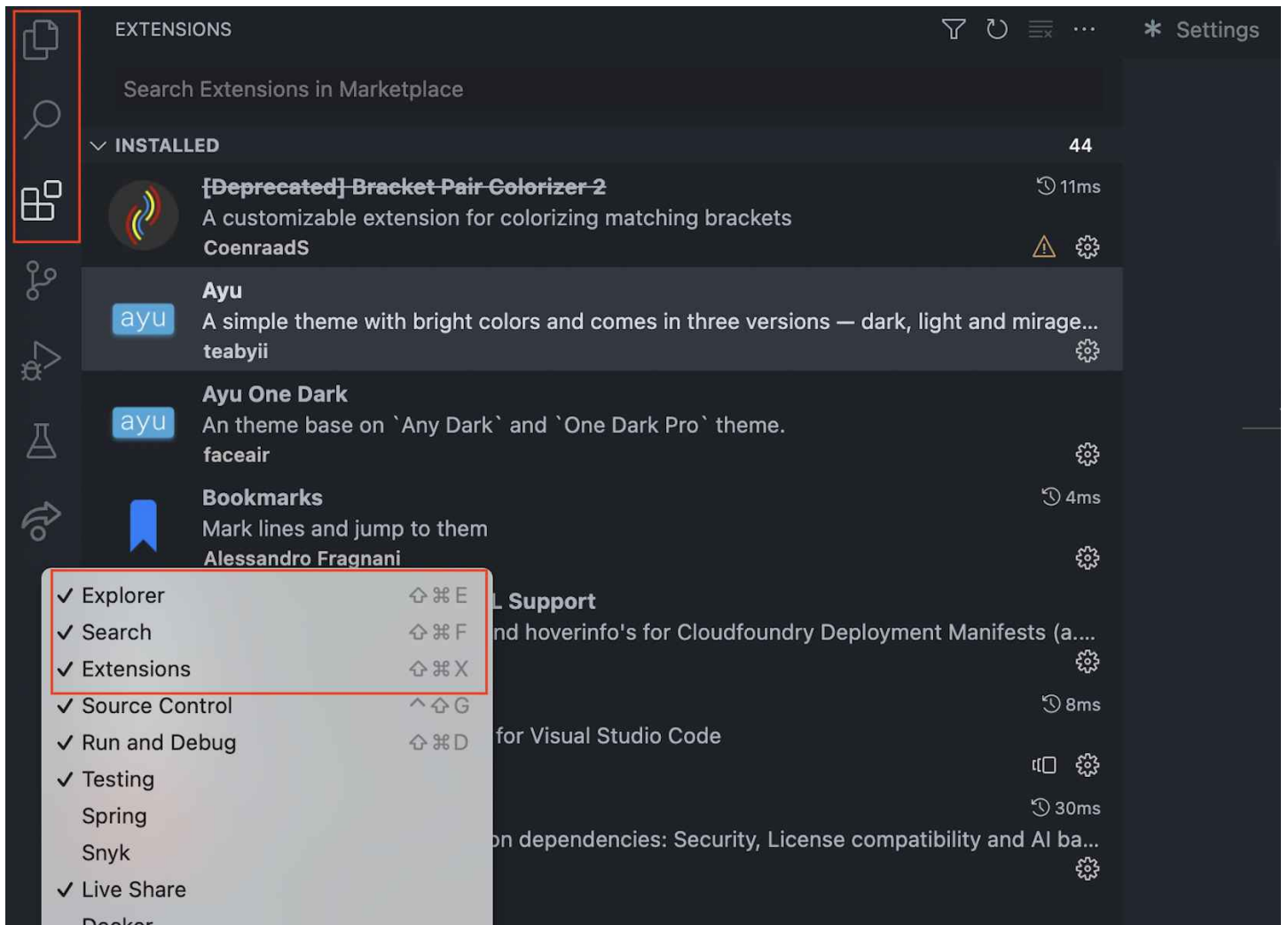


- Create a new folder, named "trial-class-code" (This folder can be placed inside any favourite subfolder)
- Launch the VSCode Application.
- File -> Open... -> Select the folder you just created (trial-class-code) -> Click "Open"
- You should find your VSCode similar to the following screen.



3.2 Extensions

- Explorer / Search / Extensions are common functions in VSCode. Put it in the menu bar on the left hand side of VSCode.



- **You can install all of the extensions below:**
- One Dark Pro
- Extension Pack for Java
- Maven for Java
- Debugger for Java
- Project Manager for Java
- Test Runner for Java
- Language Support for Java(TM) by Red Hat
- XML