

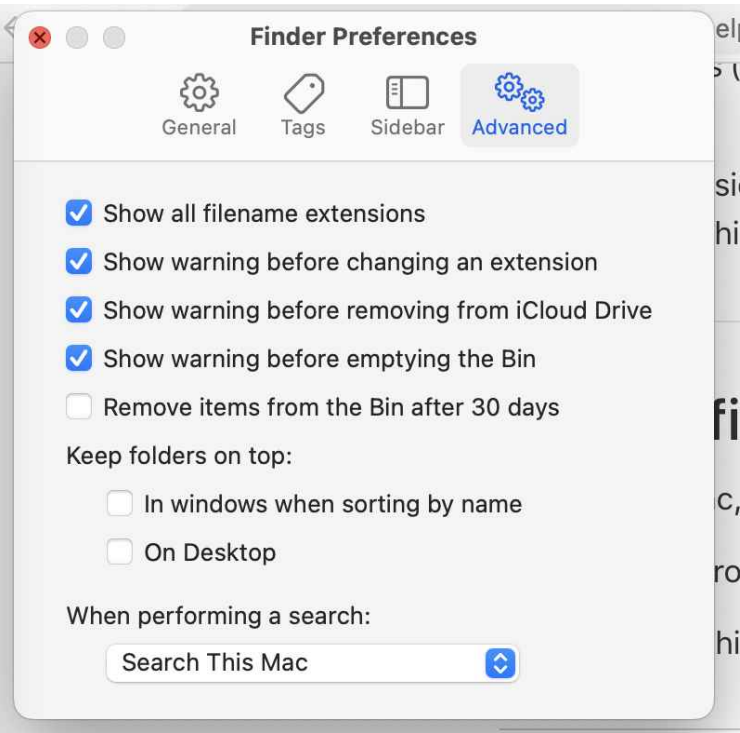


# Ready for Code - Mac OS

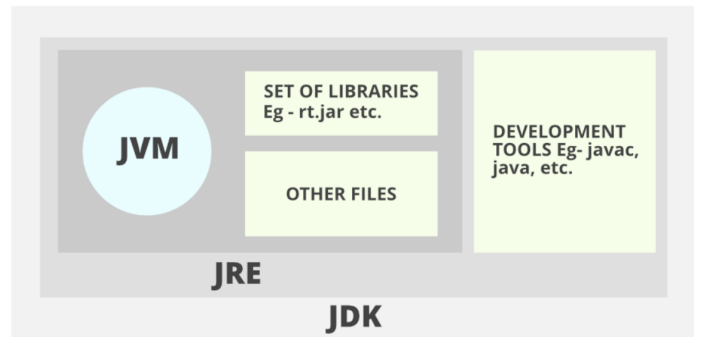
## Part 1: Basics & Prerequisites

### Show File Extensions

- Finder -> Setting -> Advanced -> Check "Show all filename extensions"



## Part 2: Install JDK



### 5.1 Install Azul Zulu JDK 17

Official - [OpenJDK Azul Zulu Download](#)

The screenshot shows the Azul Zulu JDK 17 download page. The page has a navigation bar with links for Products, Solutions, Customers, Learn, and Company. There are buttons for "Contact Sales" and "Download Now". The main content area is a table with columns for version, platform, architecture, and download links. The table has two rows for macOS. The first row is for Intel chip (x86 64-bit) and the second row is for Apple chip (ARM 64-bit v8). Both rows show the version 17.0.4+8 and Azul Zulu: 17.36.13. The download links for the Intel chip are .tar.gz and .zip, and for the Apple chip are .tar.gz and .dmg. The .dmg link for the Apple chip is highlighted with a red box.

[Result check]

- Check the default java\_home on Mac

```
1 /usr/libexec/java_home -V
```

```
Apple > ~ /usr/libexec/java_home -V
Matching Java Virtual Machines (1):
  17.0.4 (arm64) "Azul Systems, Inc." - "Zulu 17.36.13" /Library/Java/JavaVirtualMachines/zulu-17.jdk/Contents/Home
/Library/Java/JavaVirtualMachines/zulu-17.jdk/Contents/Home
```

1. For zsh shell, export `$JAVA_HOME` inside files `.zshenv` or `.zshrc`
  2. For bash shell, export `$JAVA_HOME` inside files `bash_profile` or `.bashrc`
- You can find the above hidden files in your HOME by `Shift + Command + .`
  - Setup environment variable for `JAVA_HOME`.

```
* .zshrc x
Users > vincentlau > * .zshrc
94
95 # JAVA_HOME
96 export JAVA_HOME=$(/usr/libexec/java_home)
97
```

[result check]

- Check `$JAVA_HOME`, it should return the installed JDK

```
1 echo $JAVA_HOME
```

```
Apple > /usr/libexec echo $JAVA_HOME
/Library/Java/JavaVirtualMachines/zulu-17.jdk/Contents/Home
```

- Check java version

```
1 java --version
```

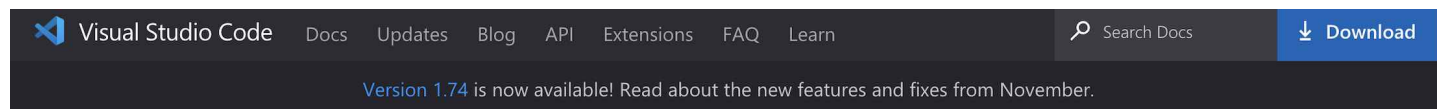
```
Apple > /usr/libexec java --version
openjdk 17.0.4 2022-07-19 LTS
OpenJDK Runtime Environment Zulu17.36+13-CA (build 17.0.4+8-LTS)
OpenJDK 64-Bit Server VM Zulu17.36+13-CA (build 17.0.4+8-LTS, mixed mode, sharing)
```

## Part 3: Install VSCode



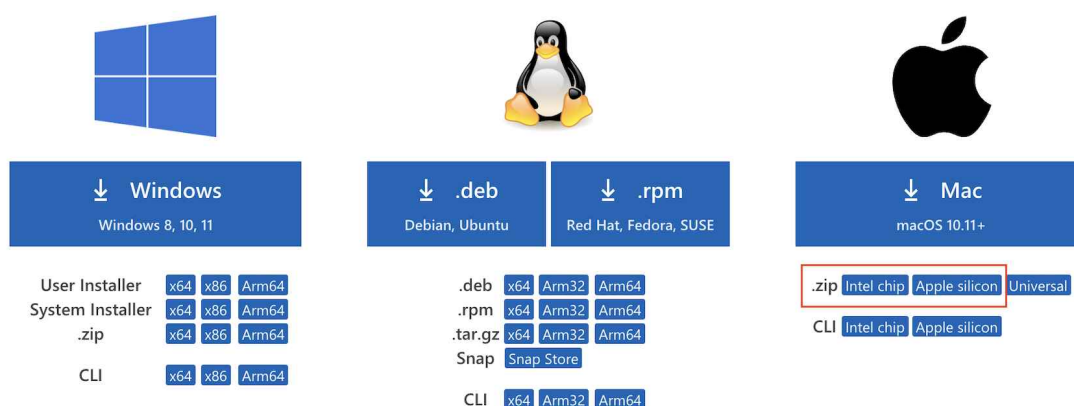
## 3.1 Install VSCode from Official Site

### VScode Download - Mac OS 10.11 +

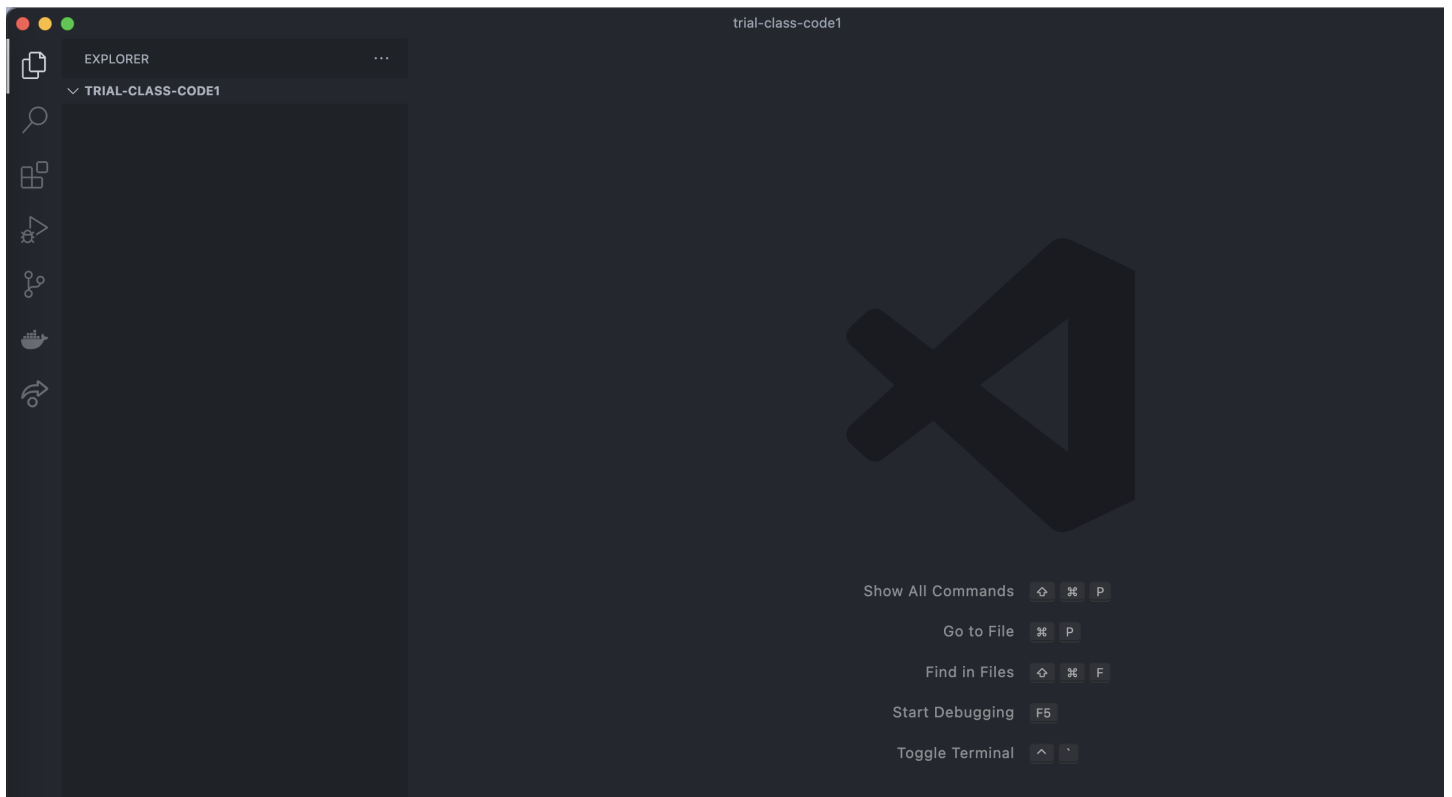


## Download Visual Studio Code

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

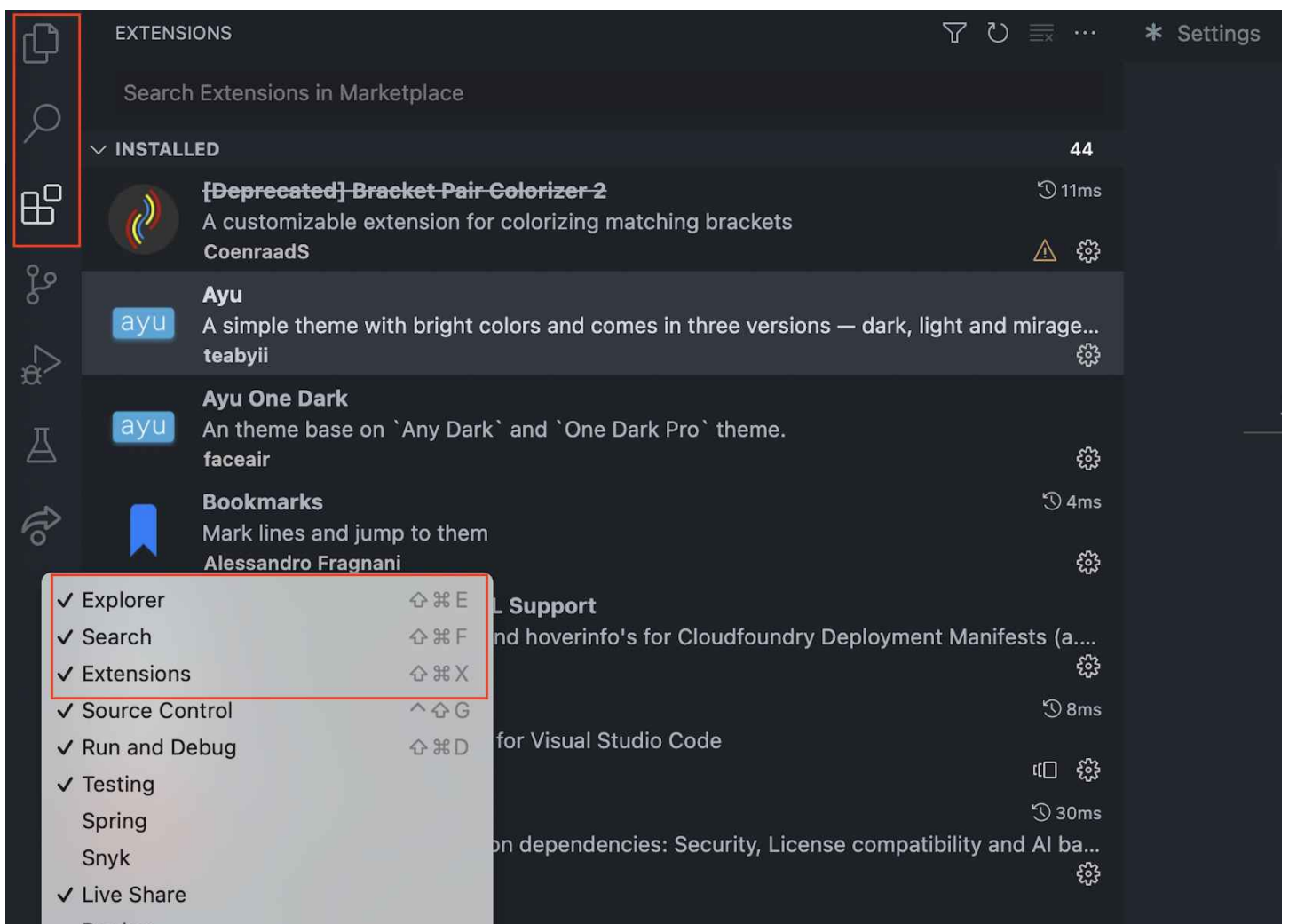


- After downloading and unzip, move to Application and keep it in the Dock to complete the installation.
- Create a new folder, named **"trial-class-code"** (This folder can be placed inside any of your favourite subfolder)
- Launch the VSCode Application.
- File -> Open... -> Select the folder you just created (trial-class-code) -> Click "Open"
- You should find your VSCode screen 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