



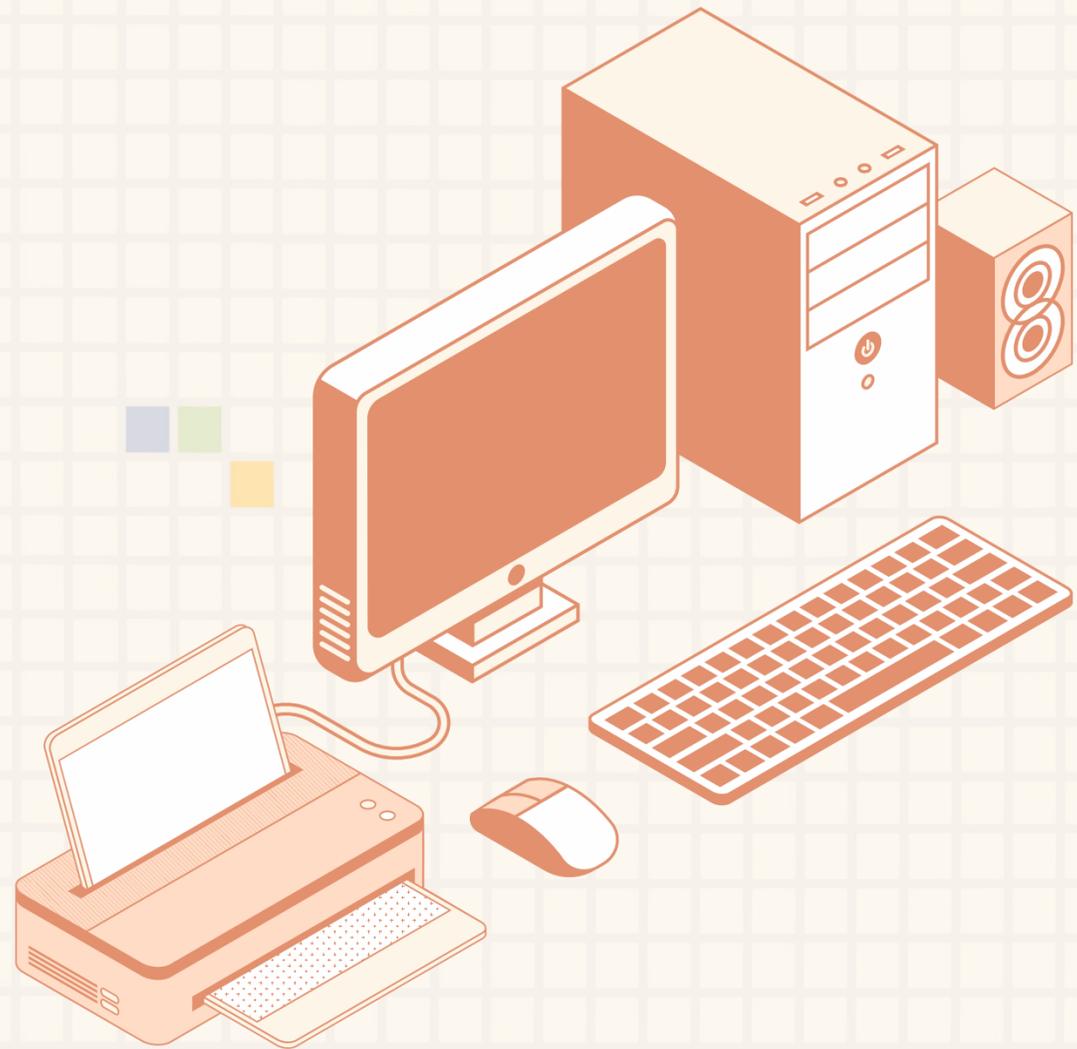
# TUTORIAL!! HOW TO GET JAVAFX INSTALLED ON VSCODE

With Maven Dependencies



Chapter 1

# Download Javafx



## First Download the JavaFX SDK

Search in a browser "JavaFX", and it should be the first link

<https://openjfx.io/>

## JavaFX

JavaFX is an open source, next generation client application platform for desktop, mobile and embedded systems built on Java. It is a collaborative effort by many individuals and companies with the goal of producing a modern, efficient, and fully featured toolkit for developing rich client applications.



### Download

JavaFX runtime is available as a platform-specific SDK, as a number of jmods, and as a set of artifacts in Maven Central.

DOWNLOAD



### Develop

JavaFX, also known as OpenJFX, is free software; licensed under the GPL with the class path exception, just like the OpenJDK.

LET'S DO IT!

**Scroll down to the download**  
**Click on the link and choose the SDK download**  
**according to your device**

For mac i recommend the x64 download



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JavaFX version: 23.0.1  
Operating System: [any]  
Architecture: [any]  
Type: [any]

Include older versions

#### Supported Platforms

OS	Version	Architecture	Type	Download
Linux	23.0.1	aarch64	SDK	<a href="#">Download</a> <a href="#">SHA256</a>
Linux	23.0.1	aarch64	jmods	<a href="#">Download</a> <a href="#">SHA256</a>
Linux	23.0.1	x64	SDK	<a href="#">Download</a> <a href="#">SHA256</a>
Linux	23.0.1	x64	jmods	<a href="#">Download</a> <a href="#">SHA256</a>
macOS	23.0.1	aarch64	SDK	<a href="#">Download</a> <a href="#">SHA256</a>
macOS	23.0.1	aarch64	jmods	<a href="#">Download</a> <a href="#">SHA256</a>
macOS	23.0.1	x64	SDK	<a href="#">Download</a> <a href="#">SHA256</a>
macOS	23.0.1	x64	jmods	<a href="#">Download</a> <a href="#">SHA256</a>
Windows	23.0.1	x64	SDK	<a href="#">Download</a> <a href="#">SHA256</a>
Windows	23.0.1	x64	jmods	<a href="#">Download</a> <a href="#">SHA256</a>
Javadoc	23.0.1		Javadoc	<a href="#">Download</a> <a href="#">SHA256</a>

Chapter 2

# Downloading Scene Builder

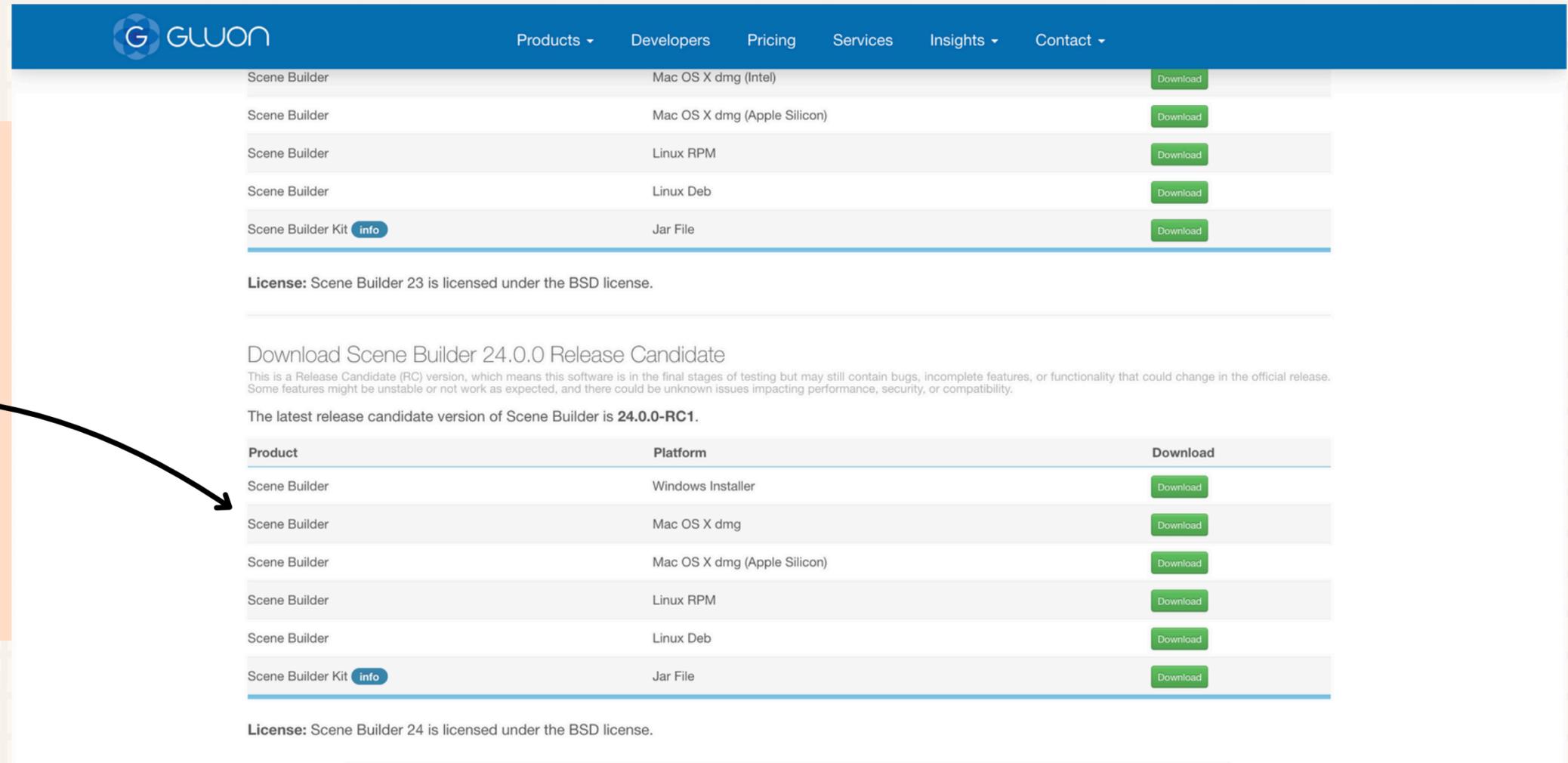


**In your browser search  
"Scene Builder JavaFX"**

<https://gluonhq.com/products/scene-builder/>

# Scroll down to the most Recent Release and download according to your platform

For mac download the Mac OS X dmg



GLUON

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Scene Builder	Mac OS X dmg (Intel)	<a href="#">Download</a>
Scene Builder	Mac OS X dmg (Apple Silicon)	<a href="#">Download</a>
Scene Builder	Linux RPM	<a href="#">Download</a>
Scene Builder	Linux Deb	<a href="#">Download</a>
Scene Builder Kit <a href="#">info</a>	Jar File	<a href="#">Download</a>

**License:** Scene Builder 23 is licensed under the BSD license.

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### Download Scene Builder 24.0.0 Release Candidate

This is a Release Candidate (RC) version, which means this software is in the final stages of testing but may still contain bugs, incomplete features, or functionality that could change in the official release. Some features might be unstable or not work as expected, and there could be unknown issues impacting performance, security, or compatibility.

The latest release candidate version of Scene Builder is **24.0.0-RC1**.

Product	Platform	Download
Scene Builder	Windows Installer	<a href="#">Download</a>
Scene Builder	Mac OS X dmg	<a href="#">Download</a>
Scene Builder	Mac OS X dmg (Apple Silicon)	<a href="#">Download</a>
Scene Builder	Linux RPM	<a href="#">Download</a>
Scene Builder	Linux Deb	<a href="#">Download</a>
Scene Builder Kit <a href="#">info</a>	Jar File	<a href="#">Download</a>

**License:** Scene Builder 24 is licensed under the BSD license.

## Chapter 3

# Downloading java on vscode

### JDK Development Kit 23.0.1 downloads

JDK 23 binaries are free to use in production and free to redistribute, at no cost, under the [Oracle No-Fee Terms and Conditions \(NFTC\)](#).

JDK 23 will receive updates under these terms, until March 2025, when it will be superseded by JDK 24.

Linux **macOS** Windows

Product/file description	File size	Download
ARM64 Compressed Archive	226.30 MB	<a href="https://download.oracle.com/java/23/latest/jdk-23_macos-aarch64_bin.tar.gz">https://download.oracle.com/java/23/latest/jdk-23_macos-aarch64_bin.tar.gz</a> (sha256)
ARM64 DMG Installer	225.79 MB	<a href="https://download.oracle.com/java/23/latest/jdk-23_macos-aarch64_bin.dmg">https://download.oracle.com/java/23/latest/jdk-23_macos-aarch64_bin.dmg</a> (sha256)
x64 Compressed Archive	228.87 MB	<a href="https://download.oracle.com/java/23/latest/jdk-23_macos-x64_bin.tar.gz">https://download.oracle.com/java/23/latest/jdk-23_macos-x64_bin.tar.gz</a> (sha256)
x64 DMG Installer	228.39 MB	<a href="https://download.oracle.com/java/23/latest/jdk-23_macos-x64_bin.dmg">https://download.oracle.com/java/23/latest/jdk-23_macos-x64_bin.dmg</a> (sha256)

**In your browser search  
“Java JDK” then click on the  
oracle website**

Then download the JDK according to  
your platform

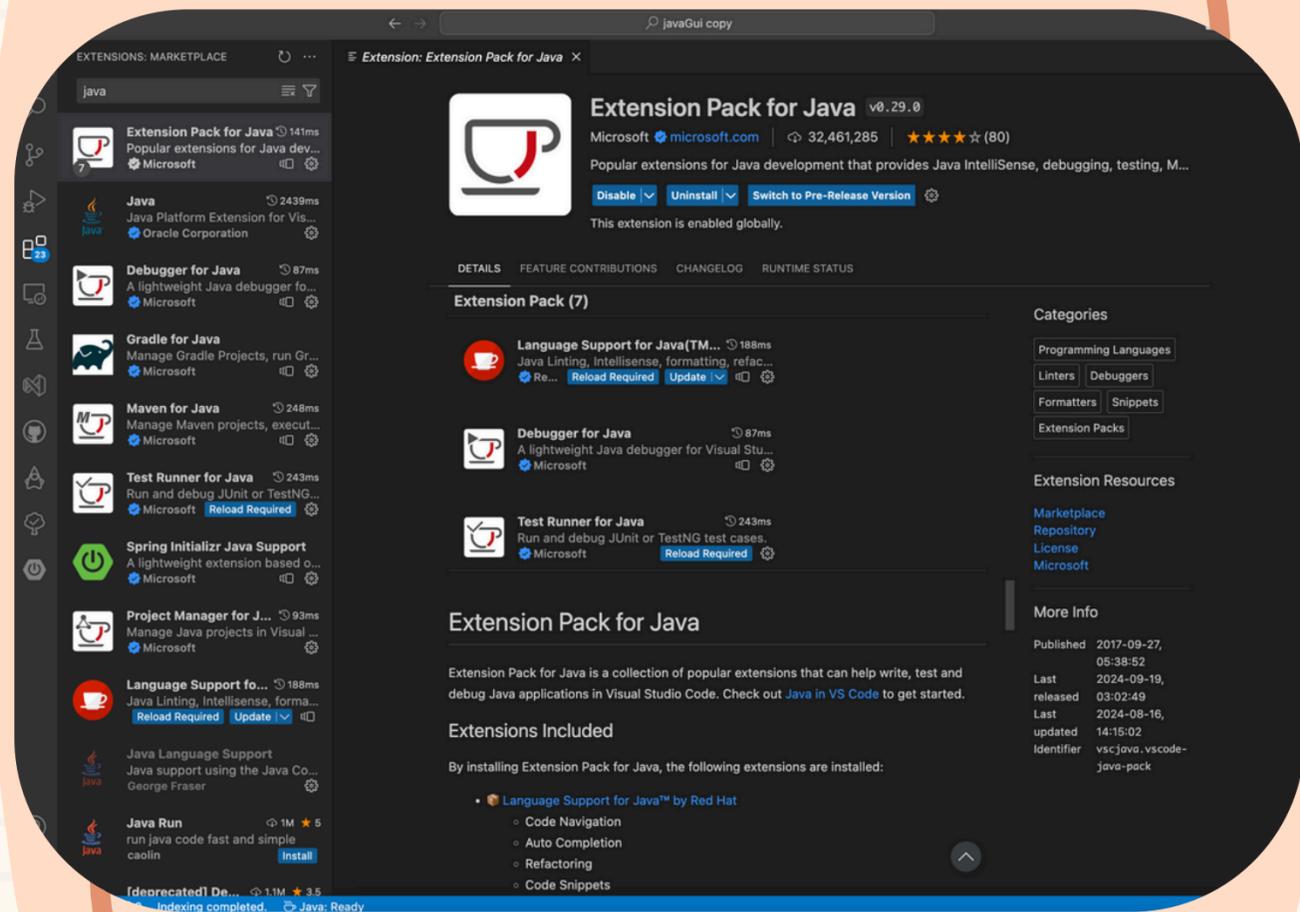
Mac OS X		Mac FAQ	
	<a href="#">macOS x64 (10.7.3 and above)</a> filesize: 90.20 MB	<a href="#">Instructions</a>	After installing Java, you may need to restart your browser in order to enable Java in your browser.
	<a href="#">macOS ARM64 ((12 and above))</a> filesize: 86.31 MB	<a href="#">Instructions</a>	

Oracle Java 8 requires administrator privileges for installation. » [More information](#)

# Installing the JRE

Java runtime environment (JRE) is needed to run java  
In a browser search "Java JRE" and click on the java link.  
Download the JRE according to your device





**In the VSCode side bar click on the extension tab**

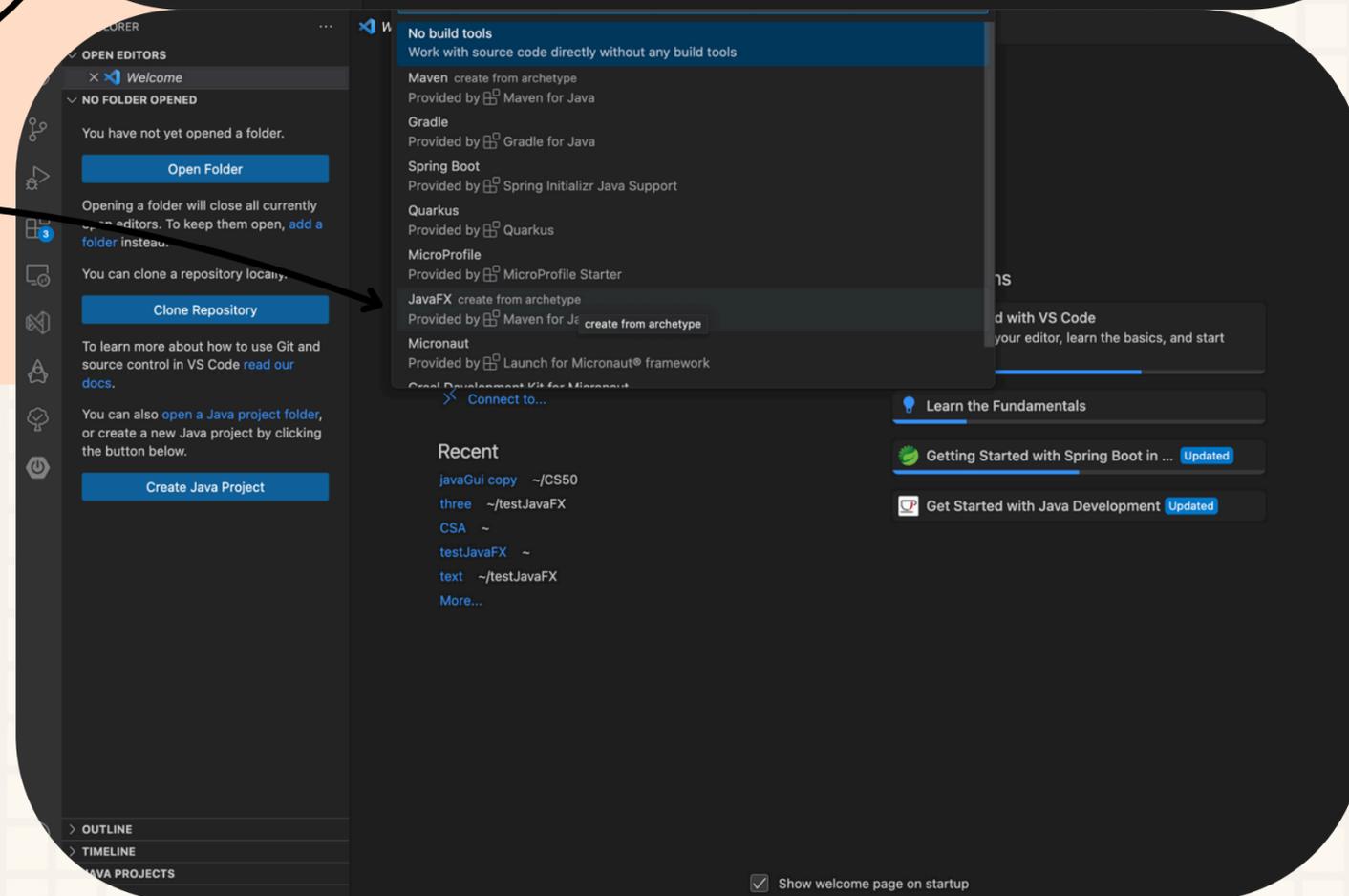
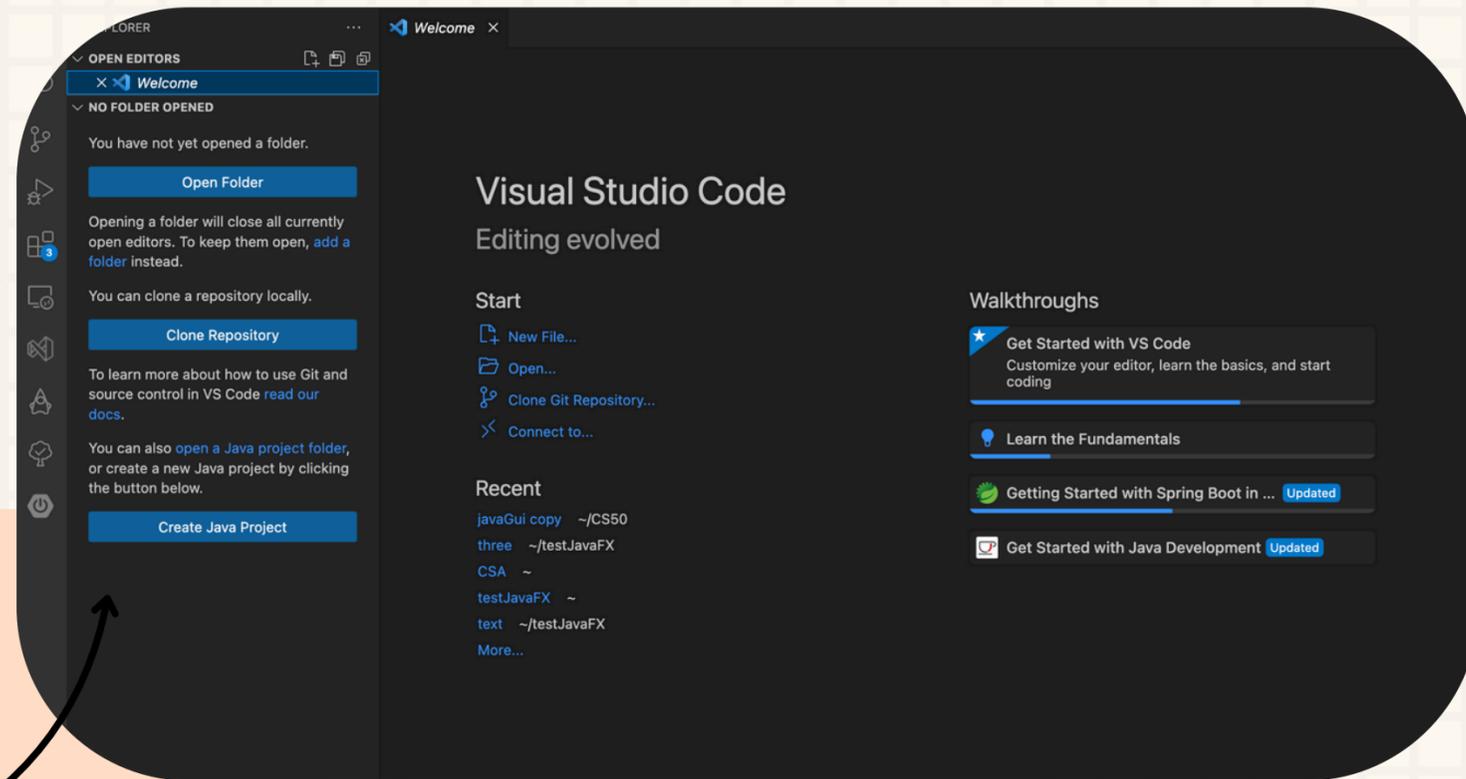
Search for "Java" then download the **Extension Pack for Java** by Microsoft

Chapter 4

# Making a new project

# Open a new window on VScode

On the side bar click "Create Java Project" then choose "JavaFX"

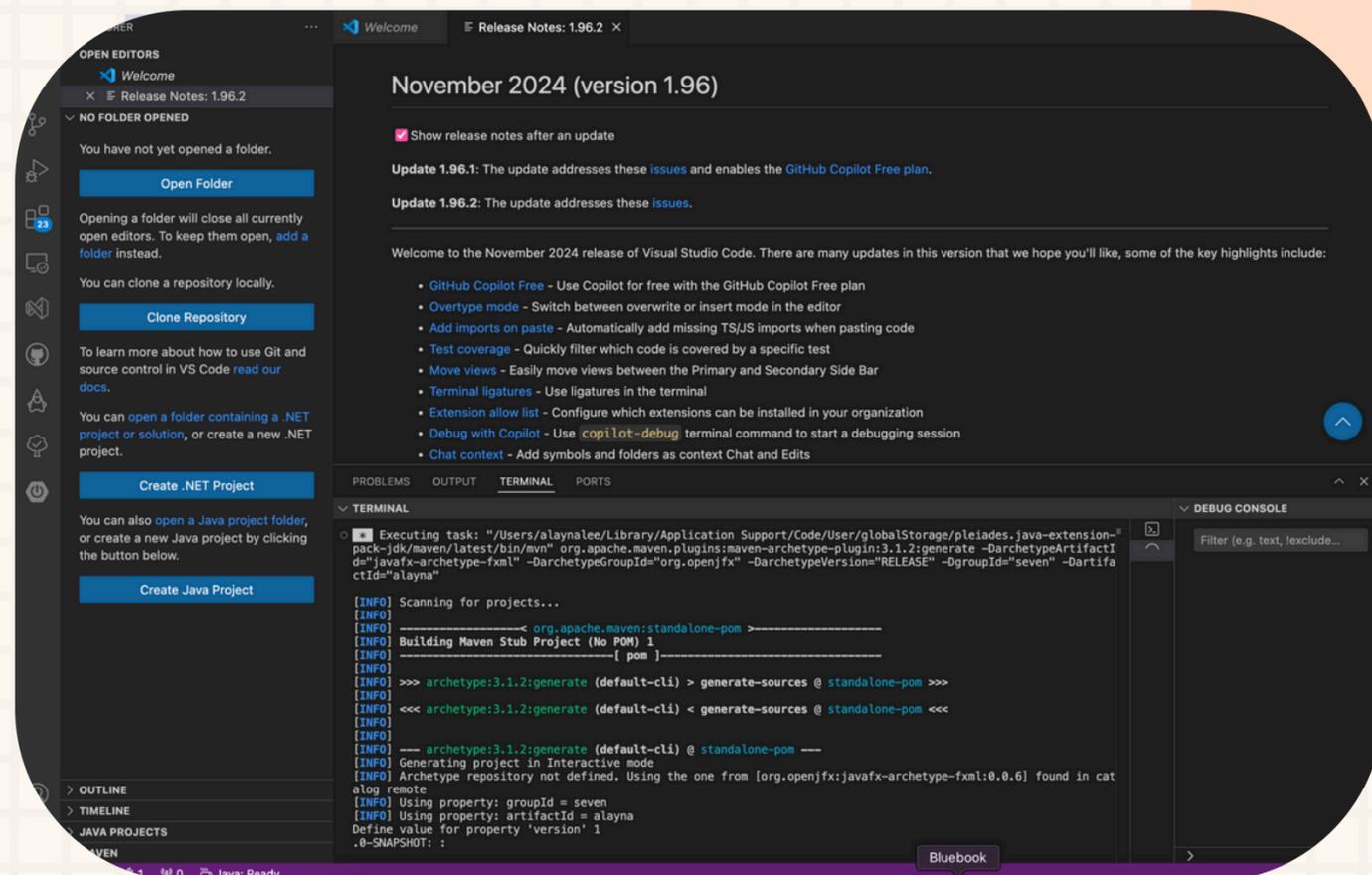


Make sure when naming your project  
group id = period  
artifact id = name

## Choose a file for your project

Then confirm the information by clicking enter twice

Once your project is done building you can click on the notification to open it or find it in your files



The screenshot shows the Visual Studio Code interface with the terminal window open. The terminal displays the output of a Maven archetype generation command. The command executed is:

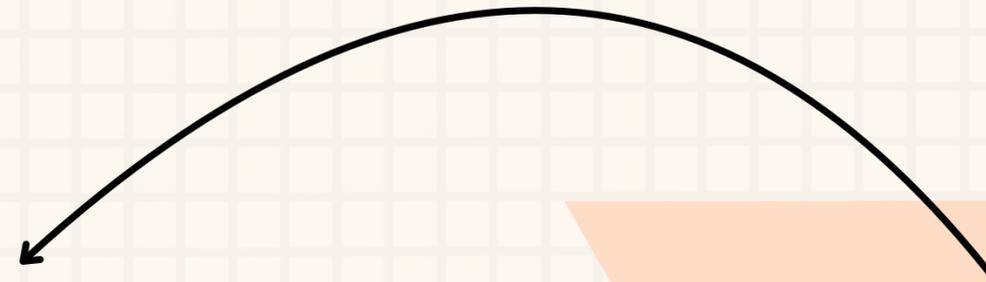
```
mvn -DarchetypeGroupId=org.openjfx -DarchetypeVersion=RELEASE -DgroupId=seven -DartifactId=alayna
```

The terminal output shows the following steps:

- Scanning for projects...
- Building Maven Stub Project (No POM) 1
- Generating project in interactive mode
- Using property: groupId = seven
- Using property: artifactId = alayna
- Define value for property 'version' 1
- Using property: version = 1.0-SNAPSHOT

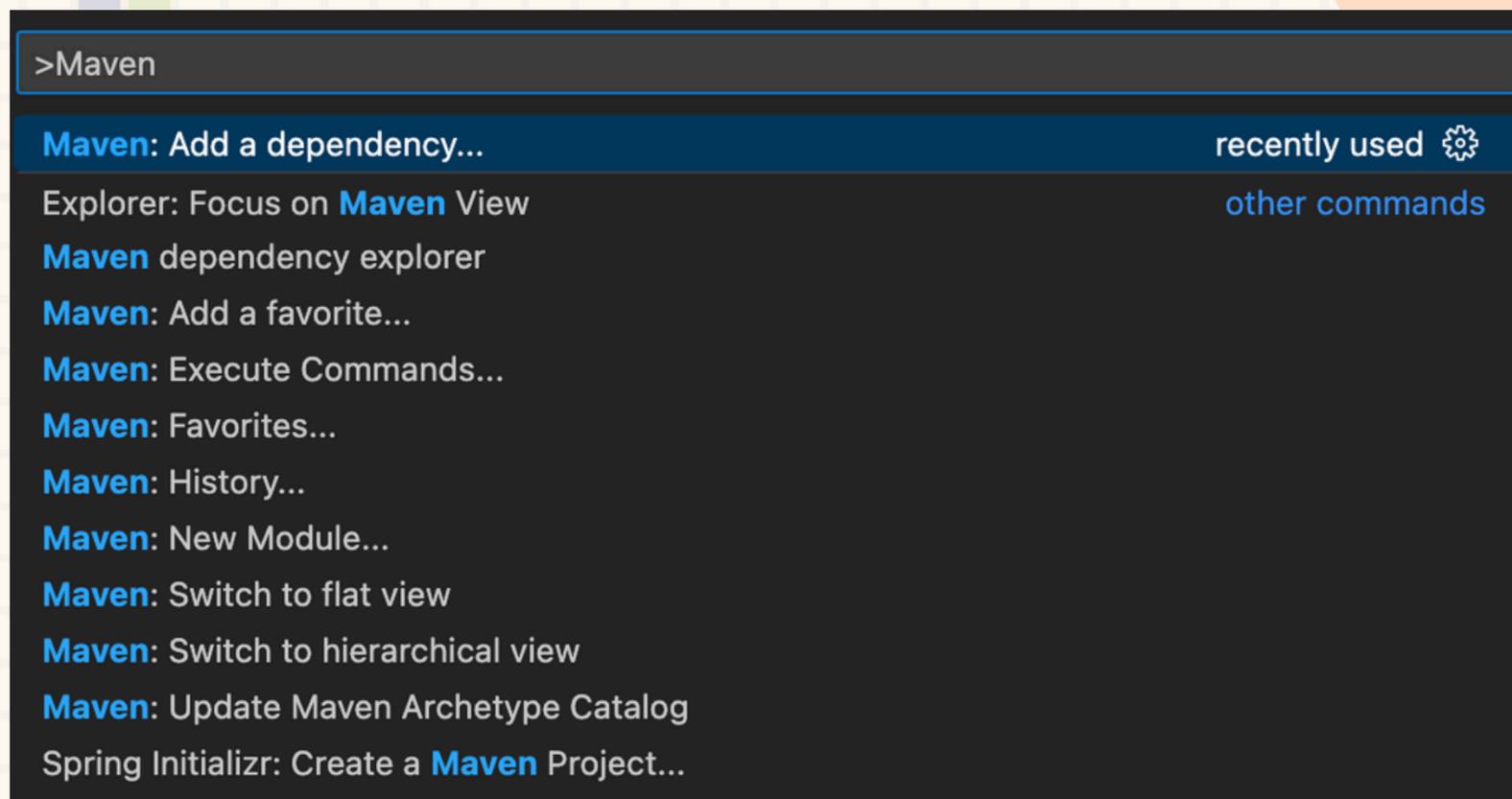
Chapter 5

# Adding the maven dependencies

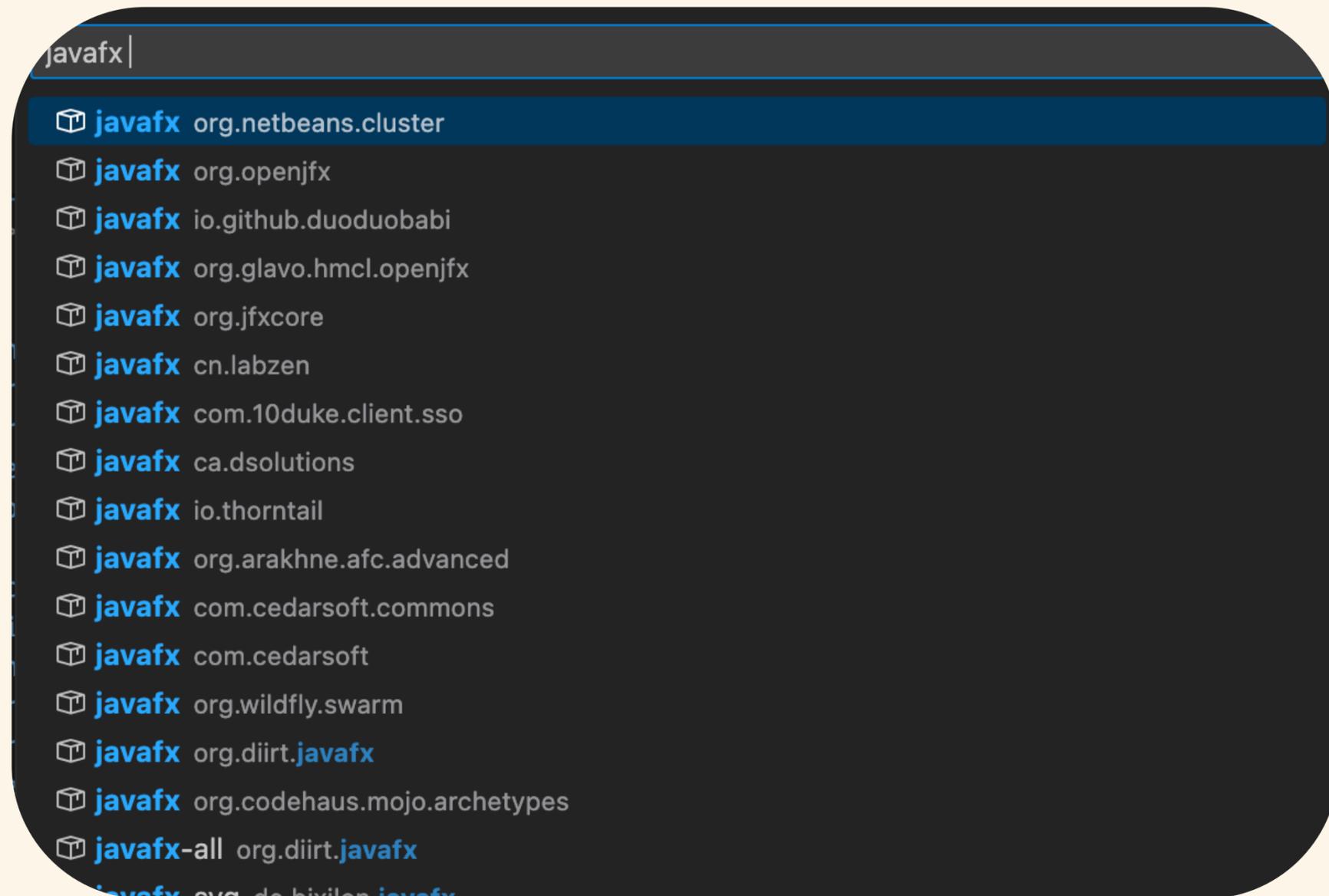


## Open the command palette and search "Maven"

Then choose **Add a dependency**



Search **javafx** then add the dependency with **org.openjfx**



Then add the rest of the dependencies listed below

javafx-fxml org.openjfx

javafx-base org.openjfx

javafx-controls org.openjfx

javafx-graphics org.openjfx

javafx-web org.openjfx

javafx-media org.openjfx

mysql-connector-java mysql

Add the MySQL dependency too!

**Make sure you add all dependencies to the module info file.**



**This file specifies other modules your program needs. JavaFX controls and JavaFX FXML are the basic modules you need to use most things on scene builder.**

```
EXPLORER
> OPEN EDITORS
AL
  src
    main
      java
        sectionNine
          App.java
          PrimaryCont...
          SecondaryC...
          module-info.java
        resources/section9
          cloud.fxml
          styles.css
      test/java
  target
  pom.xml

module-info.java
src > main > java > module-info.java
1  module sectionNine {
2      requires transitive javafx.controls;
3      requires javafx.fxml;
4      //requires transitive javafx.graphics;
5
6      opens sectionNine to javafx.fxml;
7      exports sectionNine;
8  }
9
```

Chapter 6

# Common Problems

# Common problems to fix!

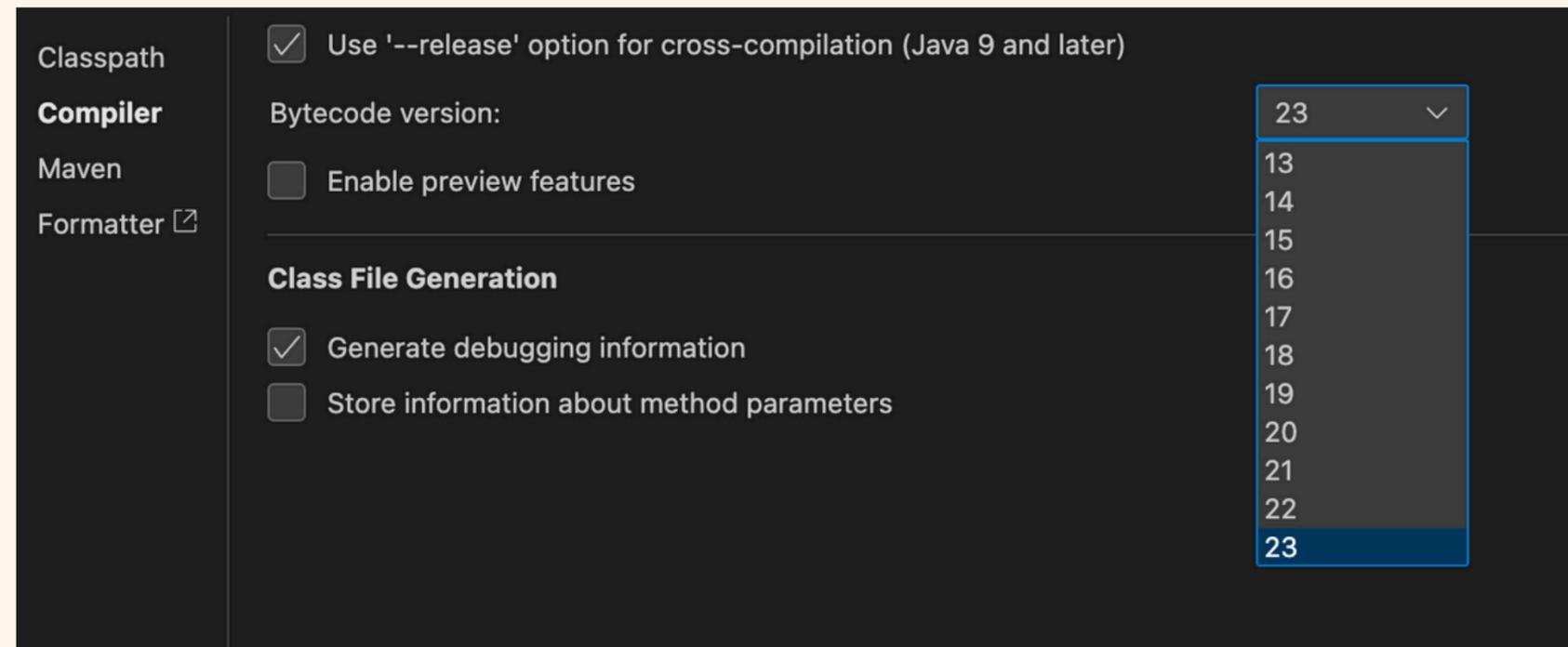
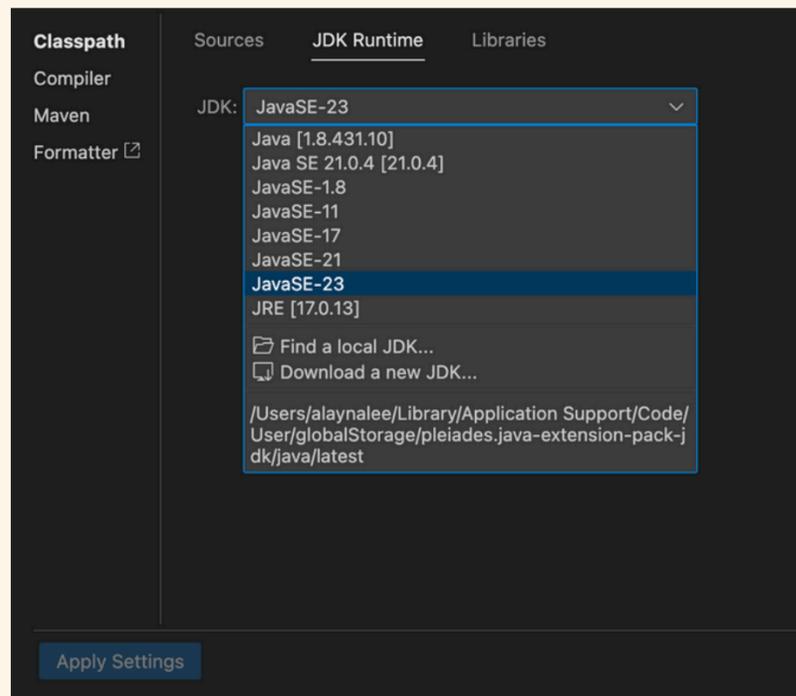
## If you get a version error...

Go into the command pallet and search for this

**Java: Configure Java Runtime**

Change the version to the most recent JDK

Also change the compiler to the most recent version



**You have successfully  
installed JavaFX!!**



**NYEHHEHEJEHEJEHEHE**

