

TUTORIAL!!

HOW TO

GET JAVAFX

INSTALLED

ON VS CODE

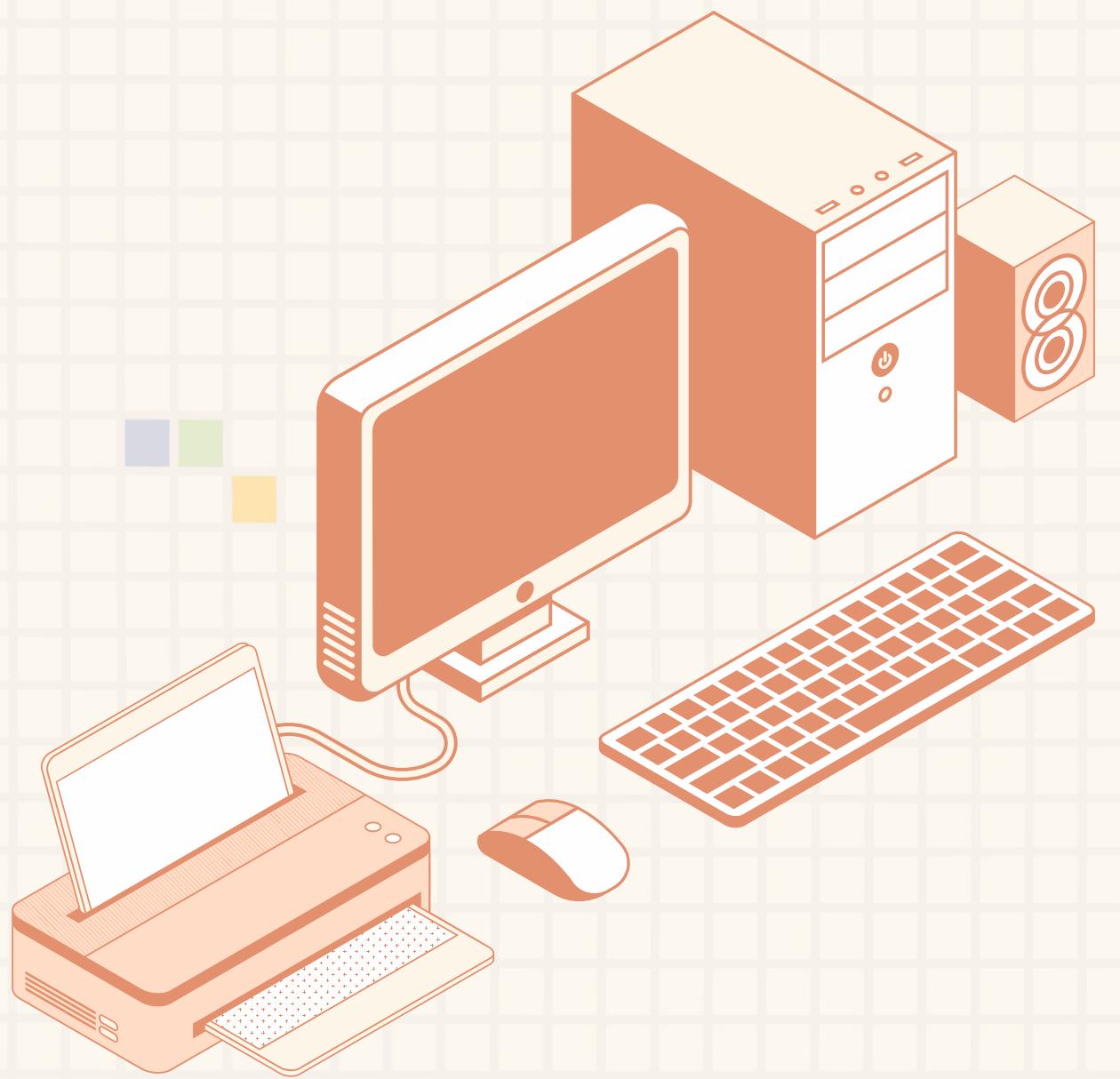
With Maven Dependencies





Chapter 1

Download JavaFX



First Download the JavaFX SDK

Search in a browser "JavaFX", and it should be the first [link](#)

<https://openjfx.io/>

**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

The screenshot shows the JavaFX website with a teal header. Below it, a large callout bubble points to the 'Download' section of the site. The 'Download' section features a dark background with a white cloud icon and the word 'Download'. It includes a sub-section about JavaFX runtime availability and a prominent green 'DOWNLOAD' button. To the right, there's a 'Develop' section with a cat icon and a 'LET'S DO IT!' button. At the bottom, a search bar and a table of supported platforms are visible.

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!

Products JavaFX Products Developers Pricing Services Insights Contact

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	Download [SHA256]
Linux	23.0.1	aarch64	jmods	Download [SHA256]
Linux	23.0.1	x64	SDK	Download [SHA256]
Linux	23.0.1	x64	jmods	Download [SHA256]
macOS	23.0.1	aarch64	SDK	Download [SHA256]
macOS	23.0.1	aarch64	jmods	Download [SHA256]
macOS	23.0.1	x64	SDK	Download [SHA256]
macOS	23.0.1	x64	jmods	Download [SHA256]
Windows	23.0.1	x64	SDK	Download [SHA256]
Windows	23.0.1	x64	jmods	Download [SHA256]
Javadoc	23.0.1		Javadoc	Download [SHA256]

Chapter 2

Downloading Scene Builder

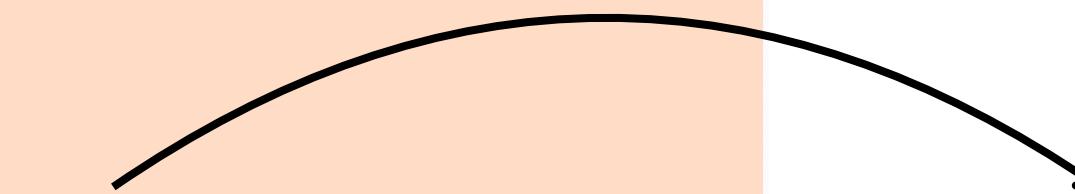


In your browser search
"Scene Builder JavaFX"

<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)	Download
Scene Builder	Mac OS X dmg (Apple Silicon)	Download
Scene Builder	Linux RPM	Download
Scene Builder	Linux Deb	Download
Scene Builder Kit info	Jar File	Download

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

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	Download
Scene Builder	Mac OS X dmg	Download
Scene Builder	Mac OS X dmg (Apple Silicon)	Download
Scene Builder	Linux RPM	Download
Scene Builder	Linux Deb	Download
Scene Builder Kit info	Jar File	Download

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 \(NFTC\)](#).

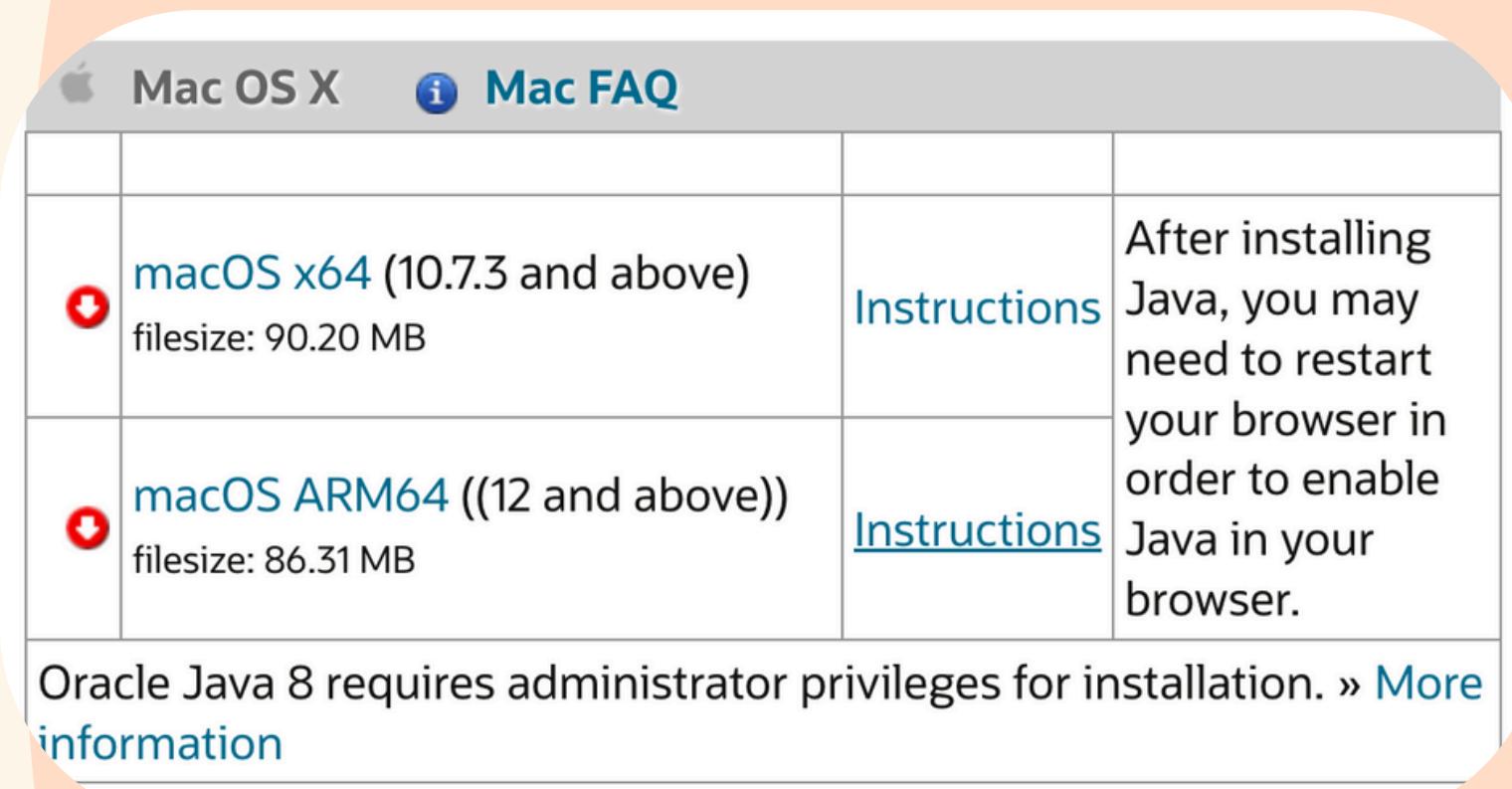
JDK 23 will receive updates under these terms, until March 2025, when it will be superseded by JDK 24.

[Linux](#) [macOS](#) [Windows](#)

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

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

Then download the JDK according to
your platform

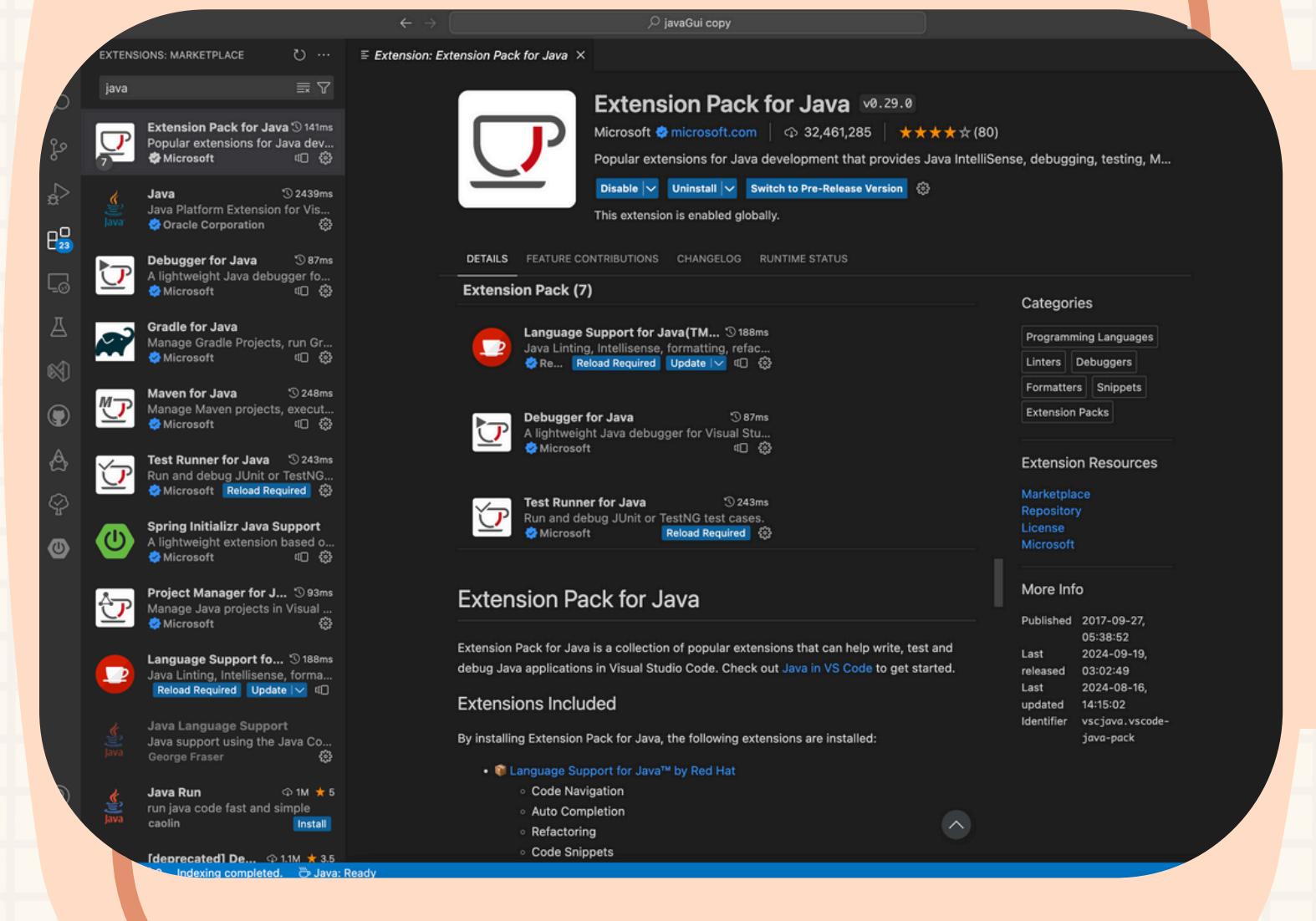


Installing the JRE

Java runtime environment (JRE) is needed to run java

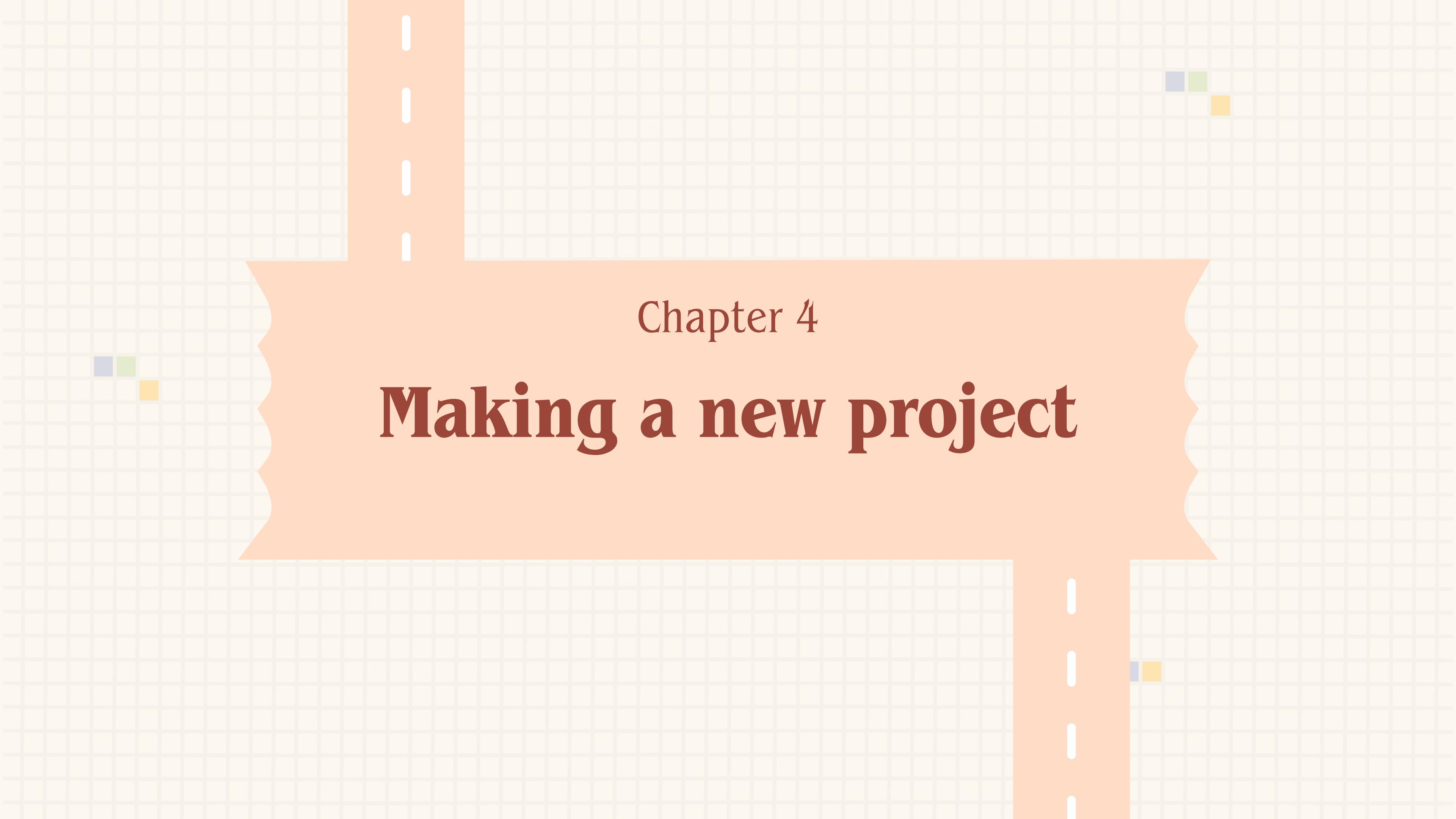
In a browser search "Java JRE" and click on the java link.

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

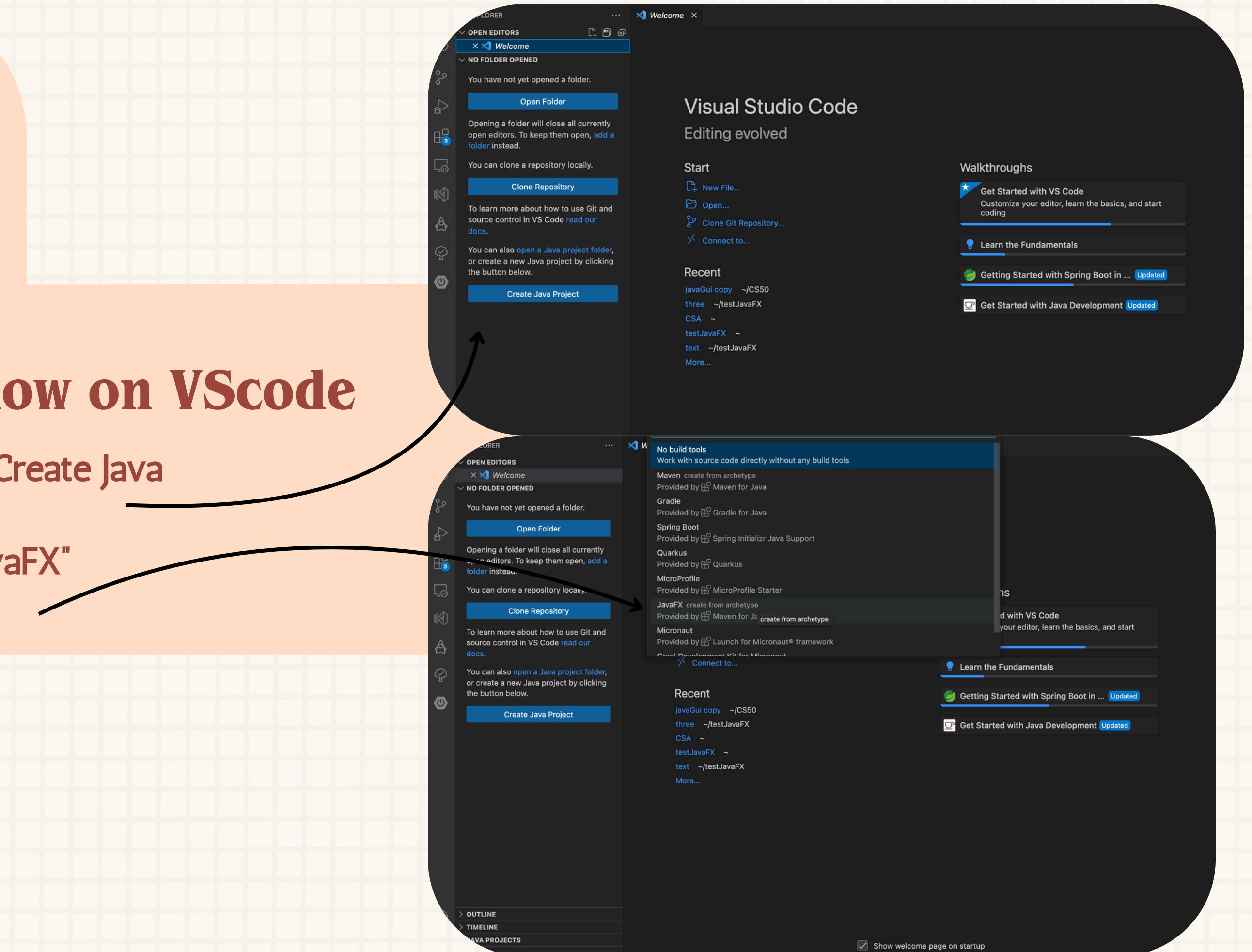


Chapter 4

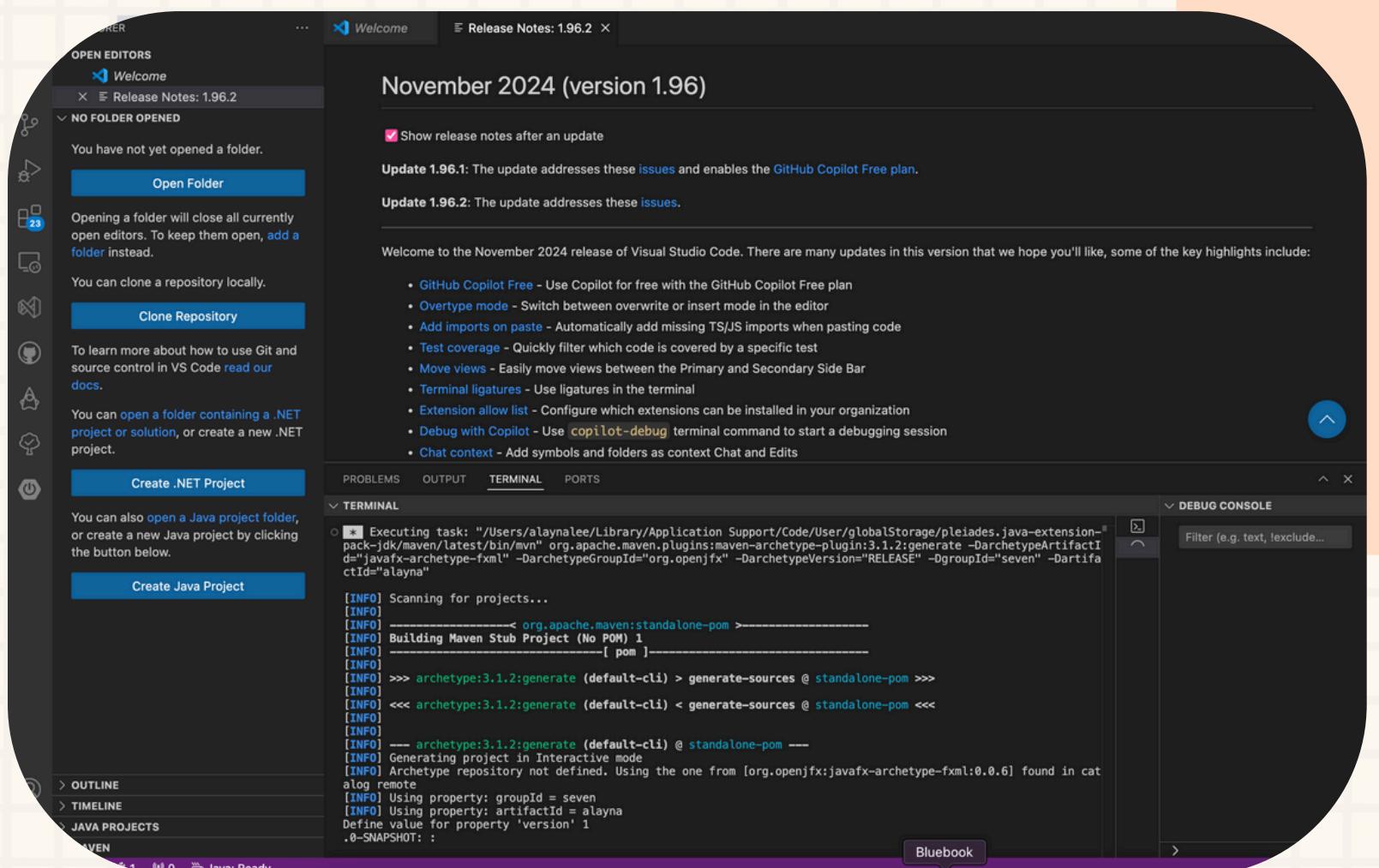
Making a new project

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



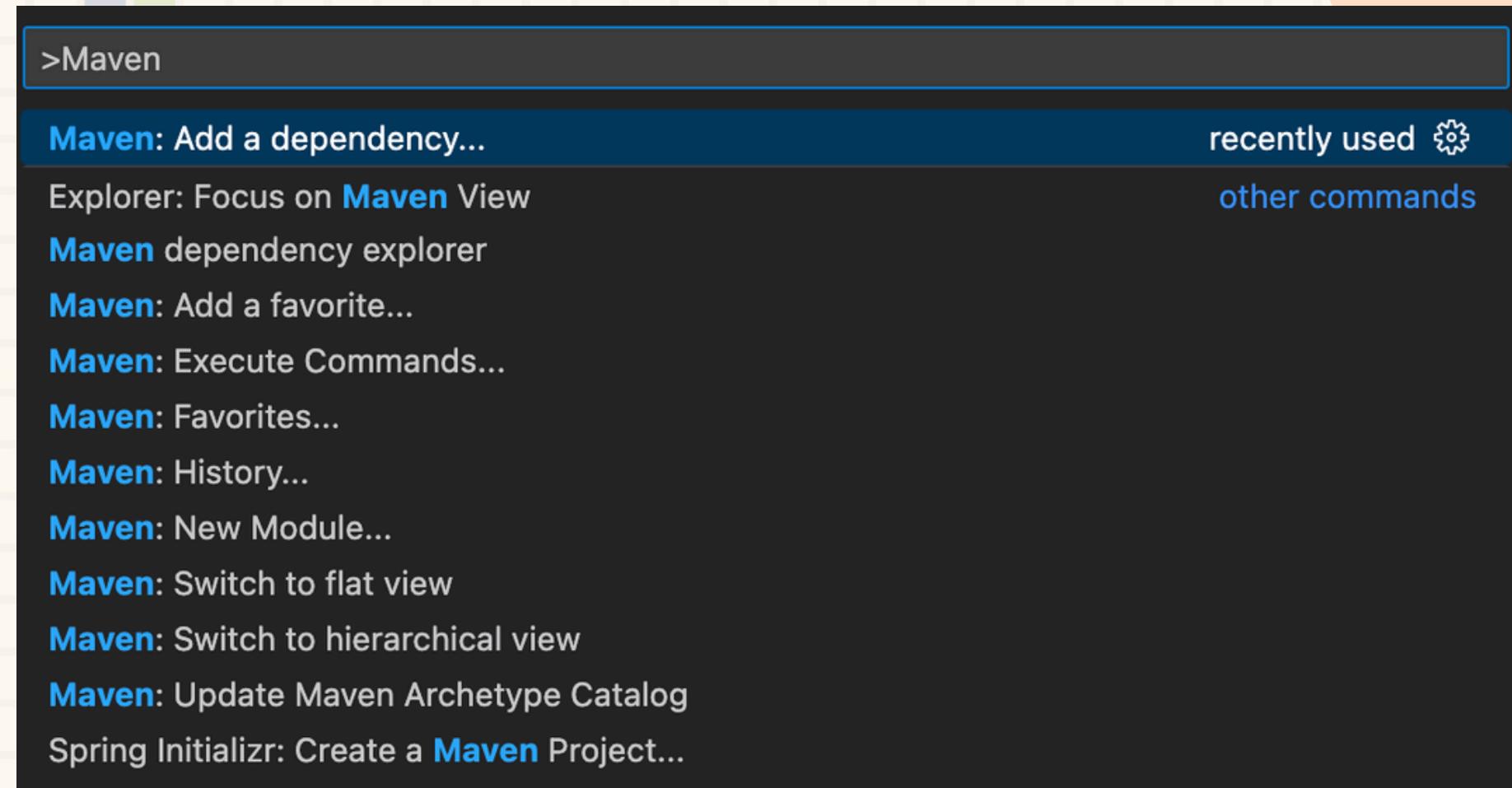
Choose a file for your project

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

Chapter 5

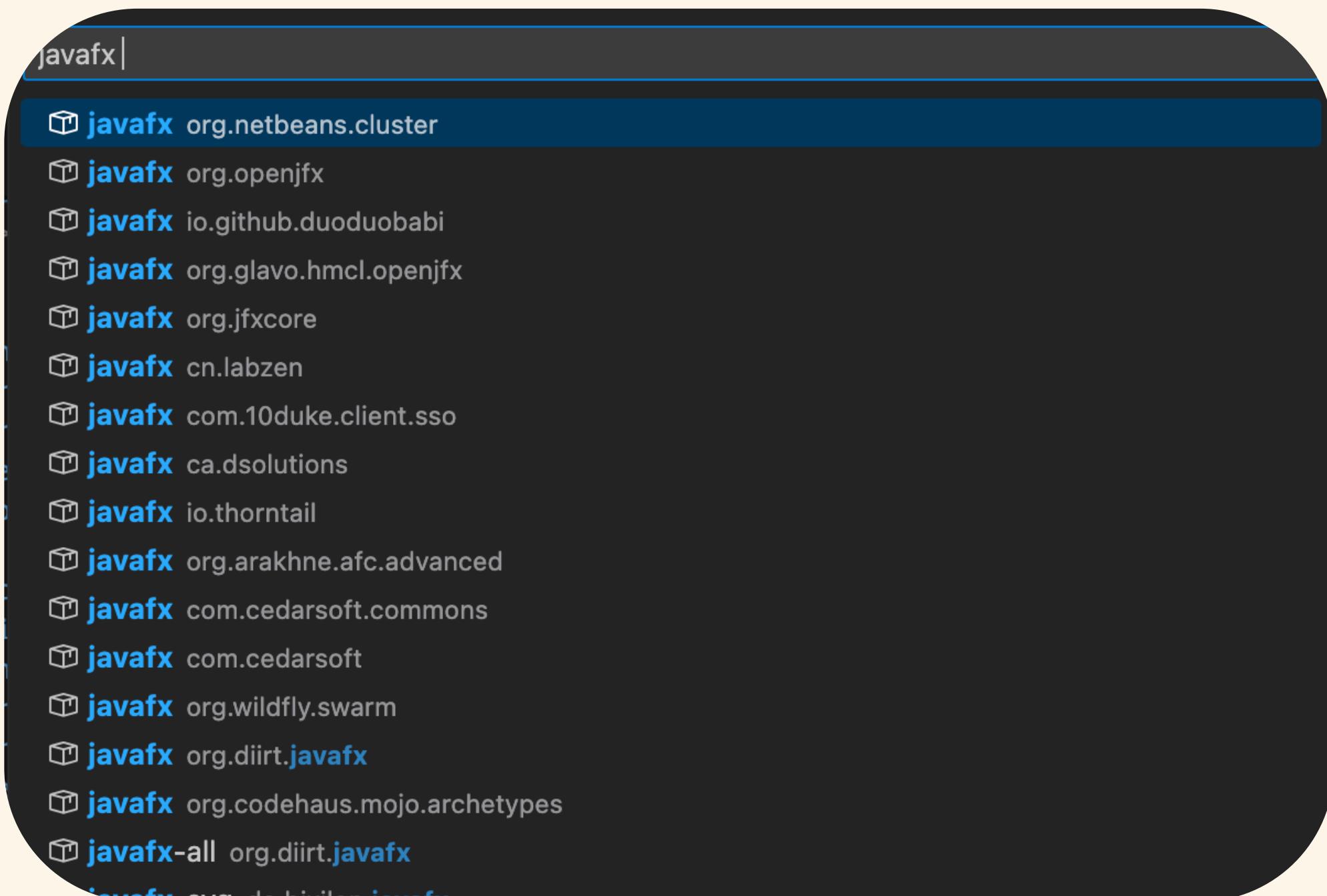
Adding the maven dependencies



Open the command pallet
and search "Maven"

Then choose Add a dependency

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

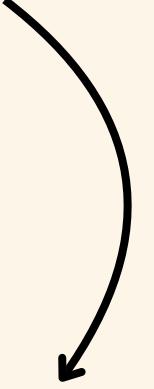


Add the MySQL dependency too!

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

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



EXPLORER

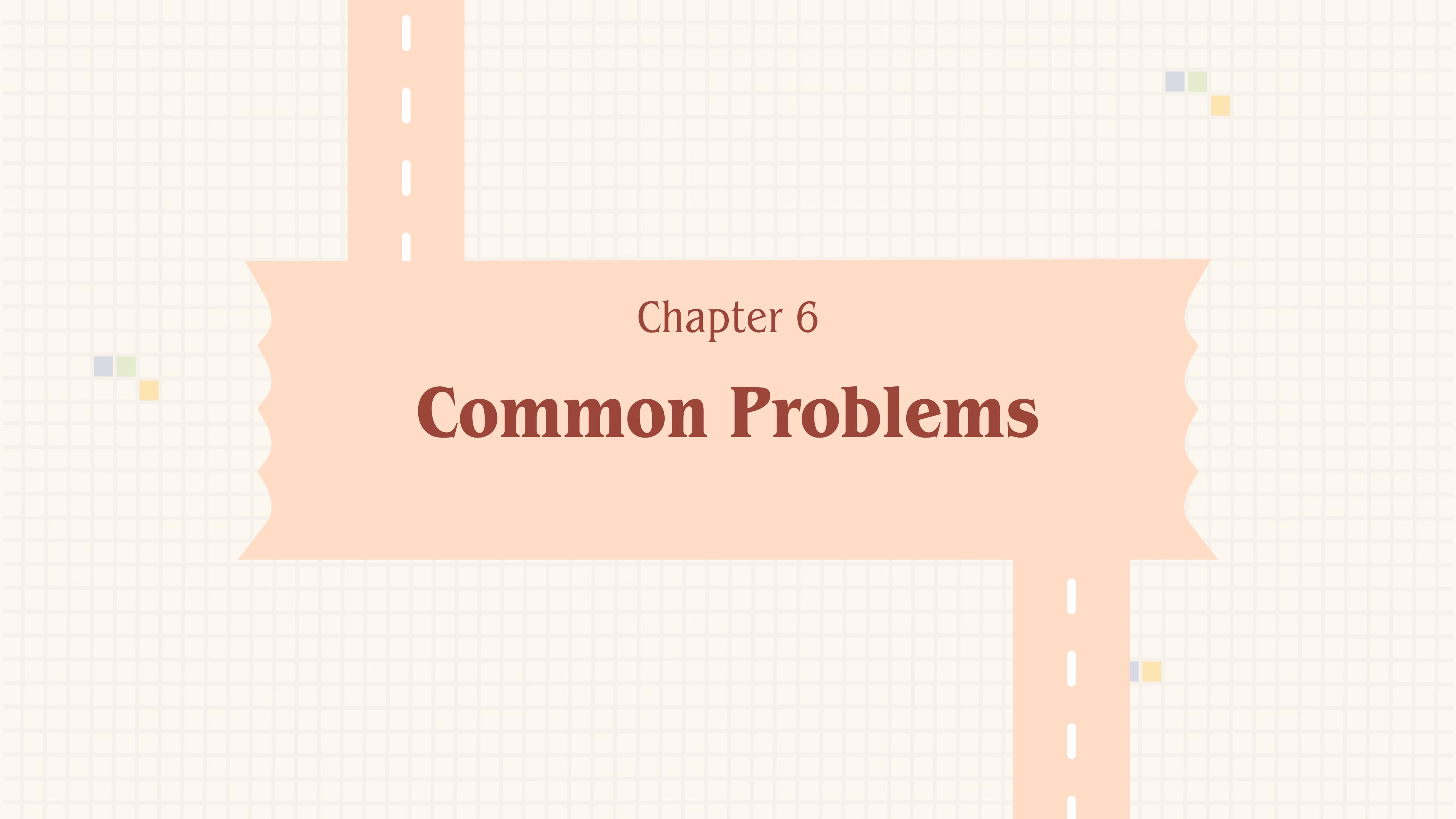
> OPEN EDITORS

src > main > java > module-info.java

```
1 module sectionNine {  
2     requires transitive javafx.controls;  
3     requires javafx.fxml;  
4     //requires transitive jfxtras.graphics;  
5  
6     opens sectionNine to javafx.fxml;  
7     exports sectionNine;  
8 }  
9
```

pom.xml

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.



Chapter 6

Common Problems

Common problems to fix!

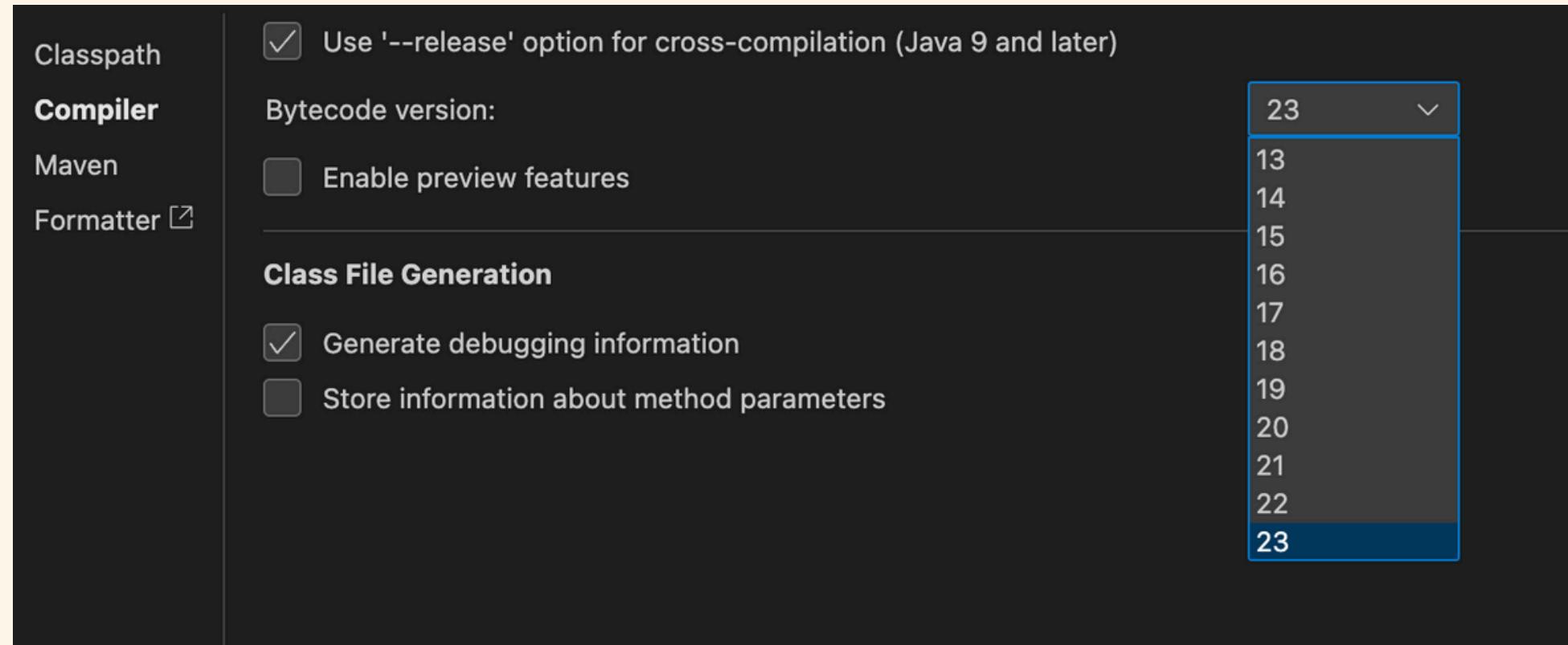
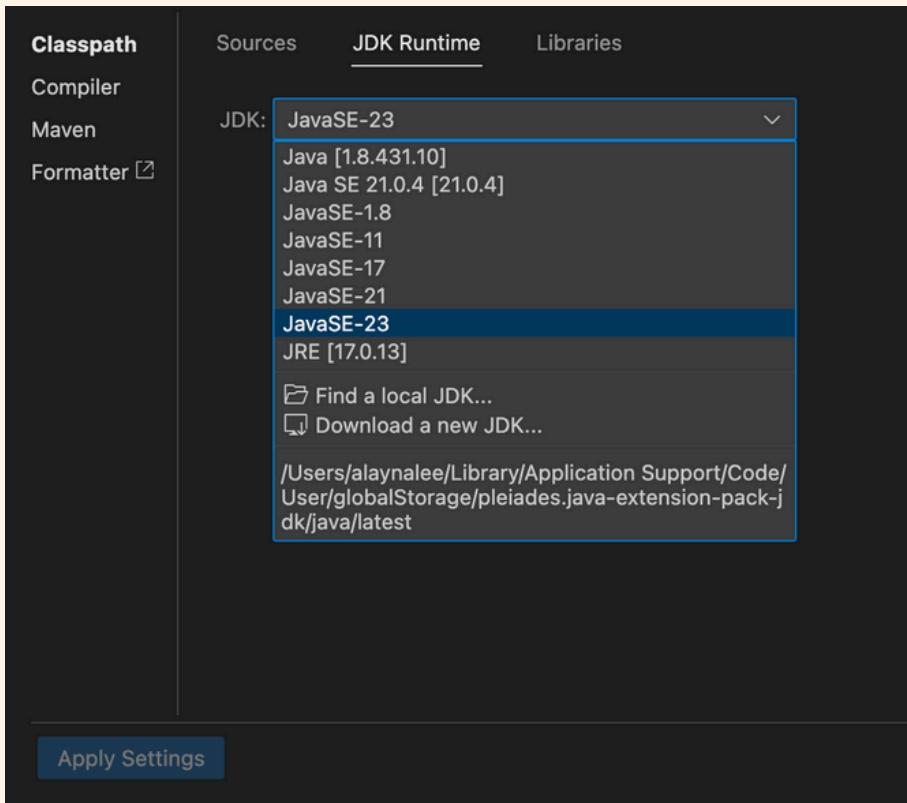
If you get a version error...

Change the
version to the
most recent
JDK

Go into the command pallet and search for this

Java: Configure Java Runtime

Also change the
compiler to the
most recent
version



You have successfully
installed JavaFX!!

