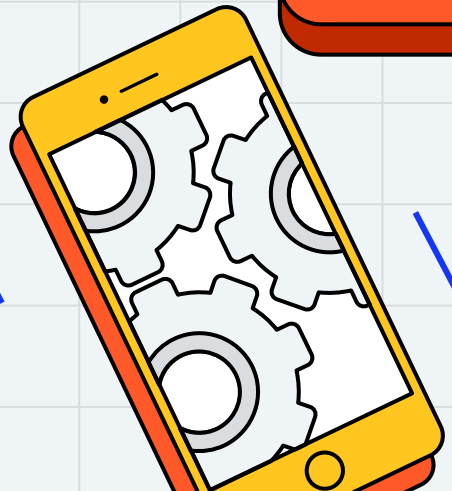
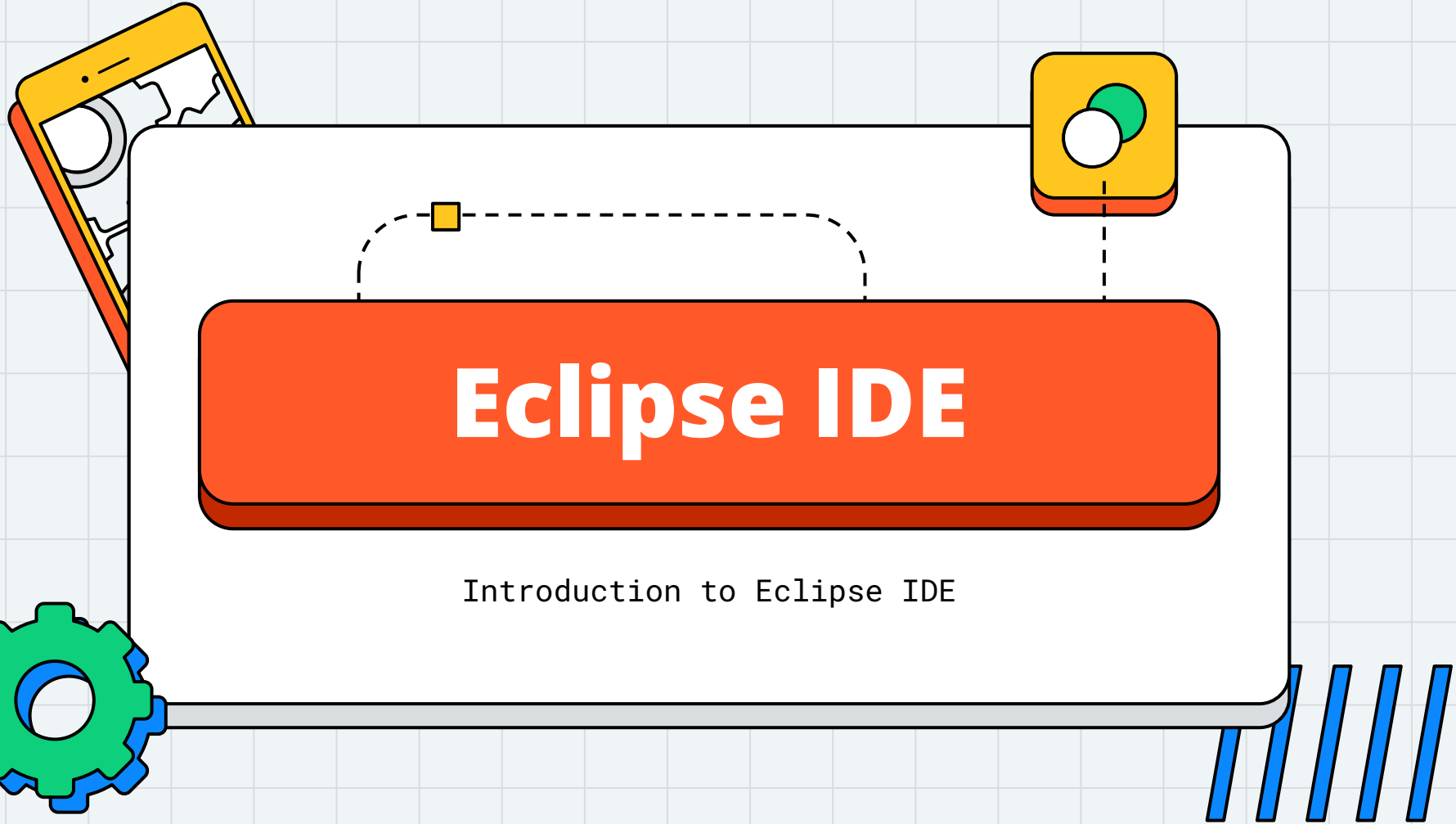
Application Programming



Hend Alkittawi


Eclipse IDE
Introduction to Eclipse IDE

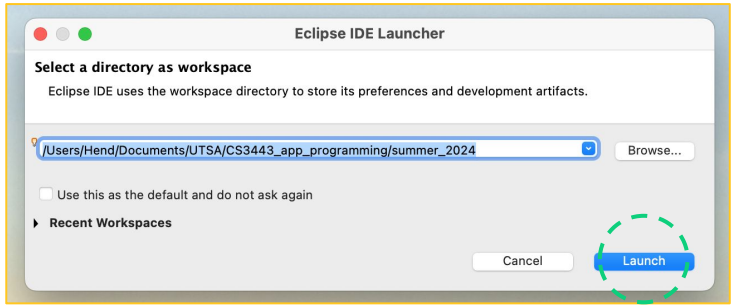
ECLIPSE IDE

- Eclipse is an integrated development environment (IDE) used in computer programming.
- It is a popular IDE for Java development.
- In Eclipse you can create new Java projects and import existing projects to the **workspace**.
- An Eclipse workspace is a folder on the disk where the project and application files are stored.
- Get eclipse **here**

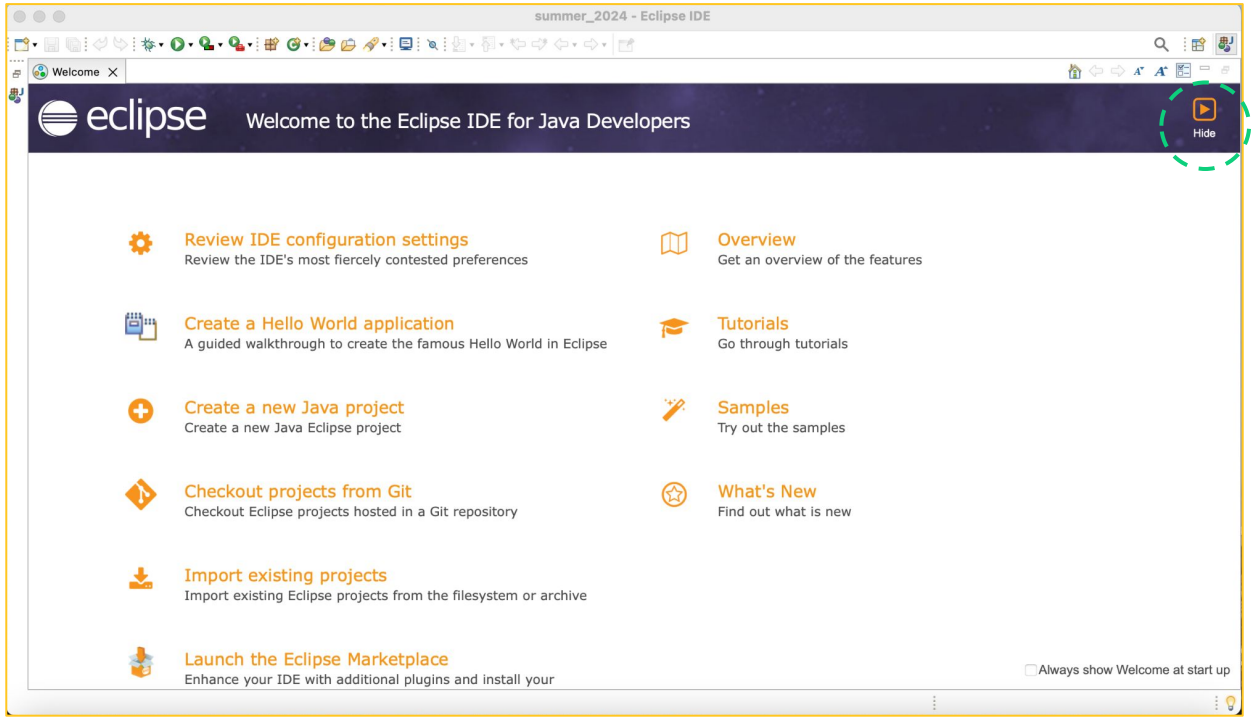
CREATING A PROJECT IN ECLIPSE

1. Open Eclipse and select/create a workspace > Launch
2. If the welcome window appears, choose to hide it
3. In the Package Explorer (top left area of IDE), right click and select New > Java Project
4. Name your project
5. **Ensure that the create module-info.java file is unchecked**
6. Click “finish”

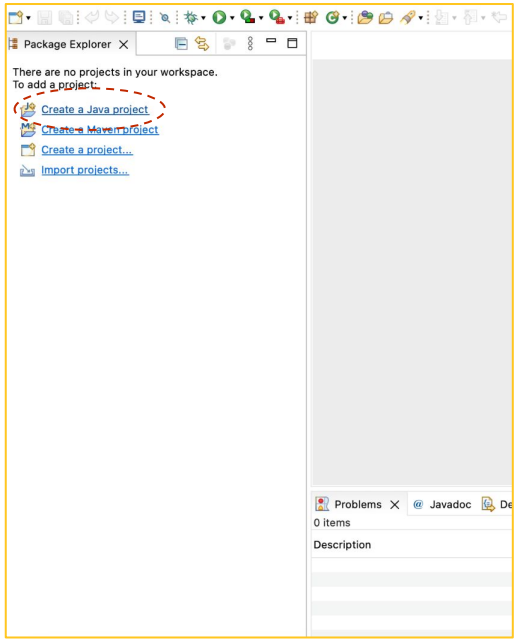
Open Eclipse and select/create a workspace > Launch

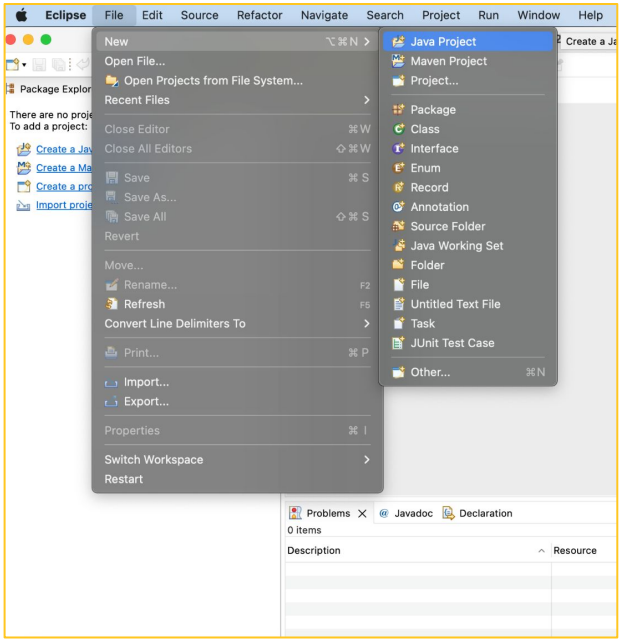


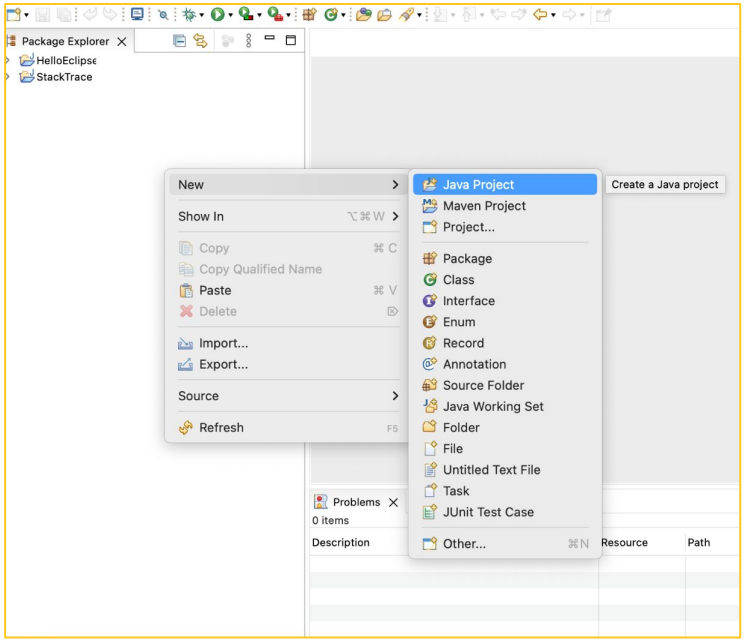
If the welcome window appears, choose to hide it



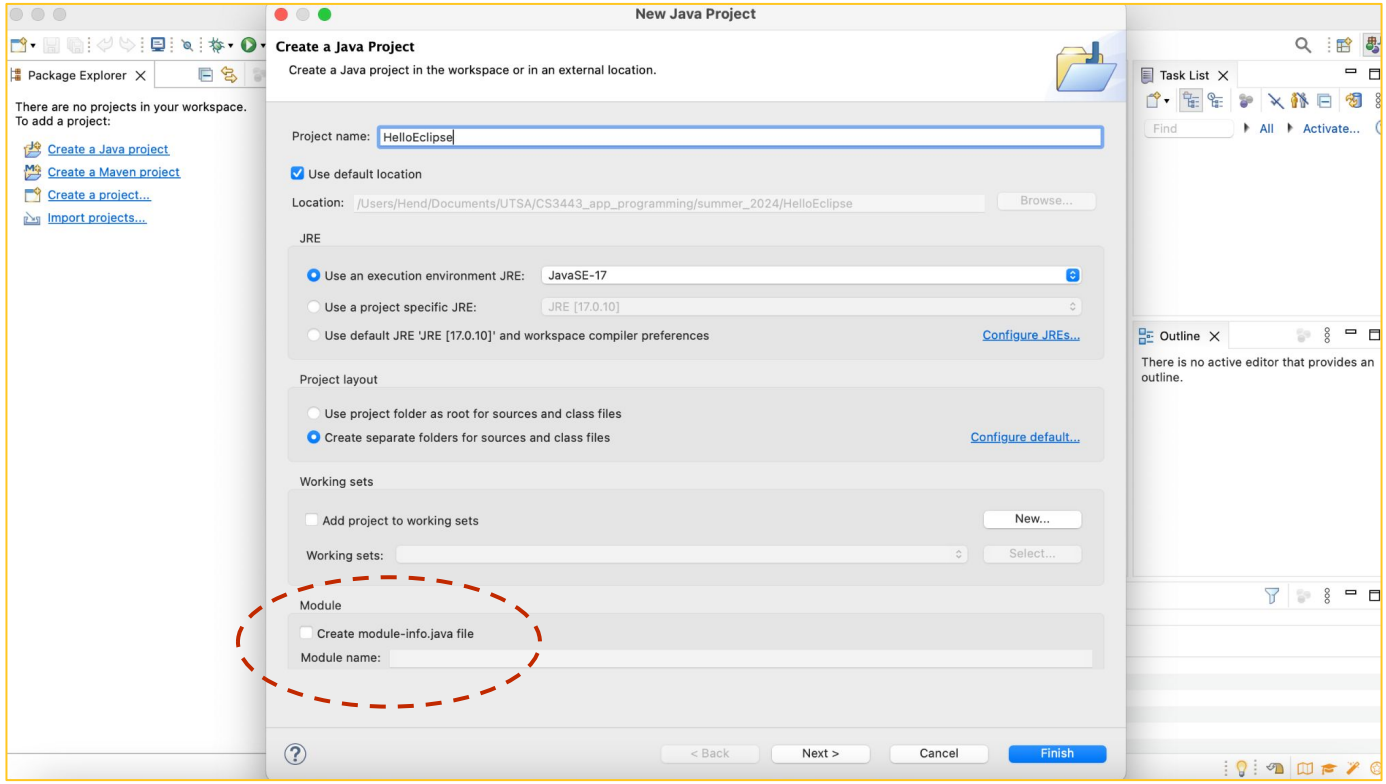
Create a new Java project using the new project wizard (multiple ways)







Name your project (for labs, follow the lab guidelines!)



Ensure that the create module-info.java file is unchecked

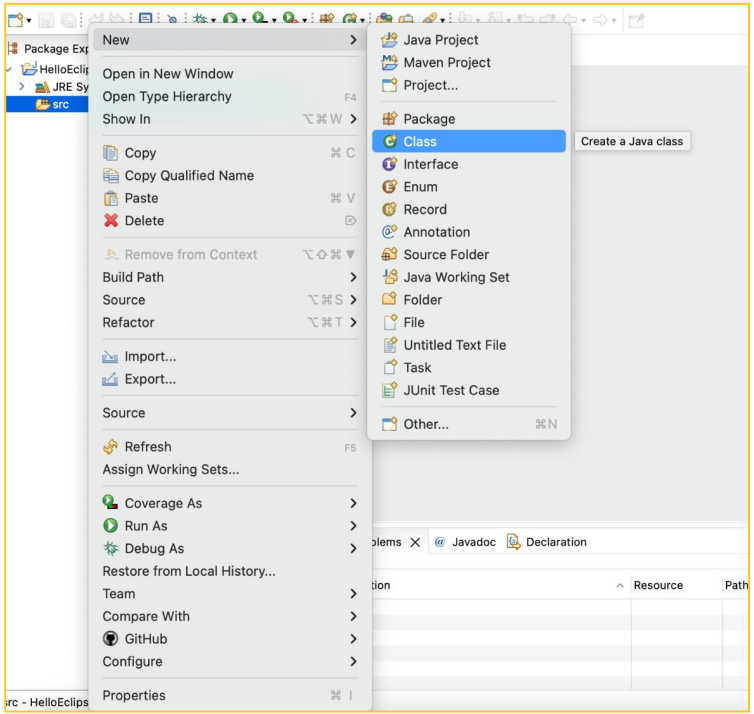
CREATING A CLASS IN AN ECLIPSE PROJECT

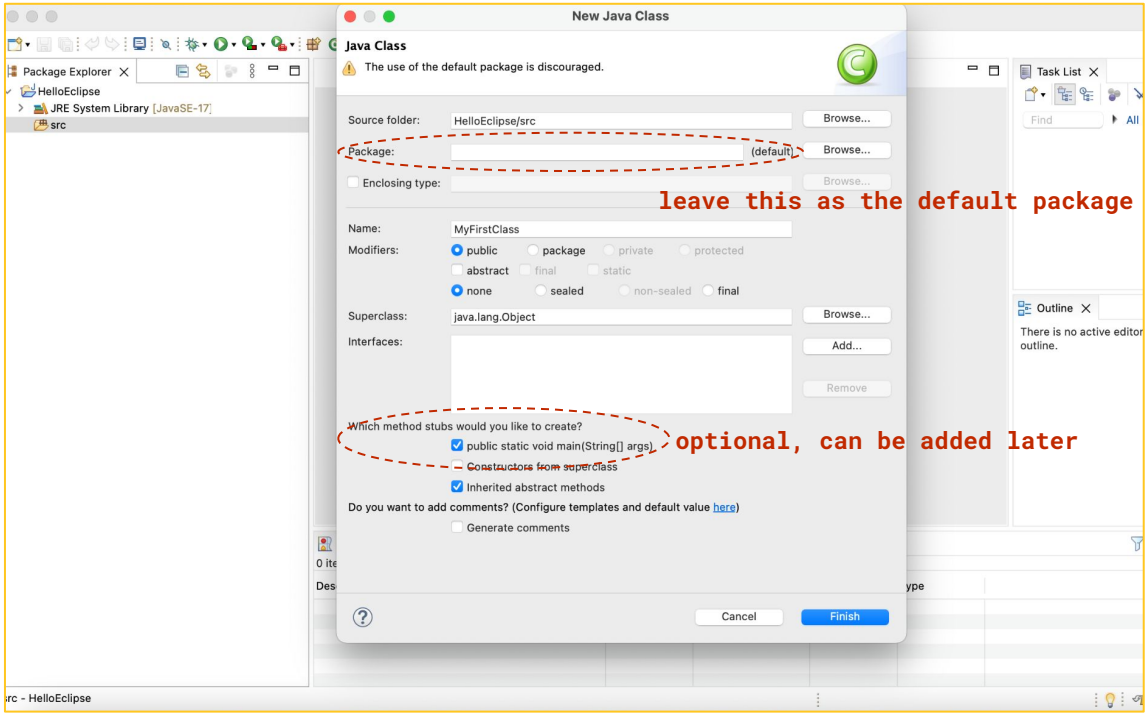
1. Expand your project
2. Right-click on src > New > Class
3. Name your class following Java naming convention
4. To run your class, you need a main method. With that, you can click the green “run” button at the top of the IDE to run your program and see results in the console.

Create a new Java class

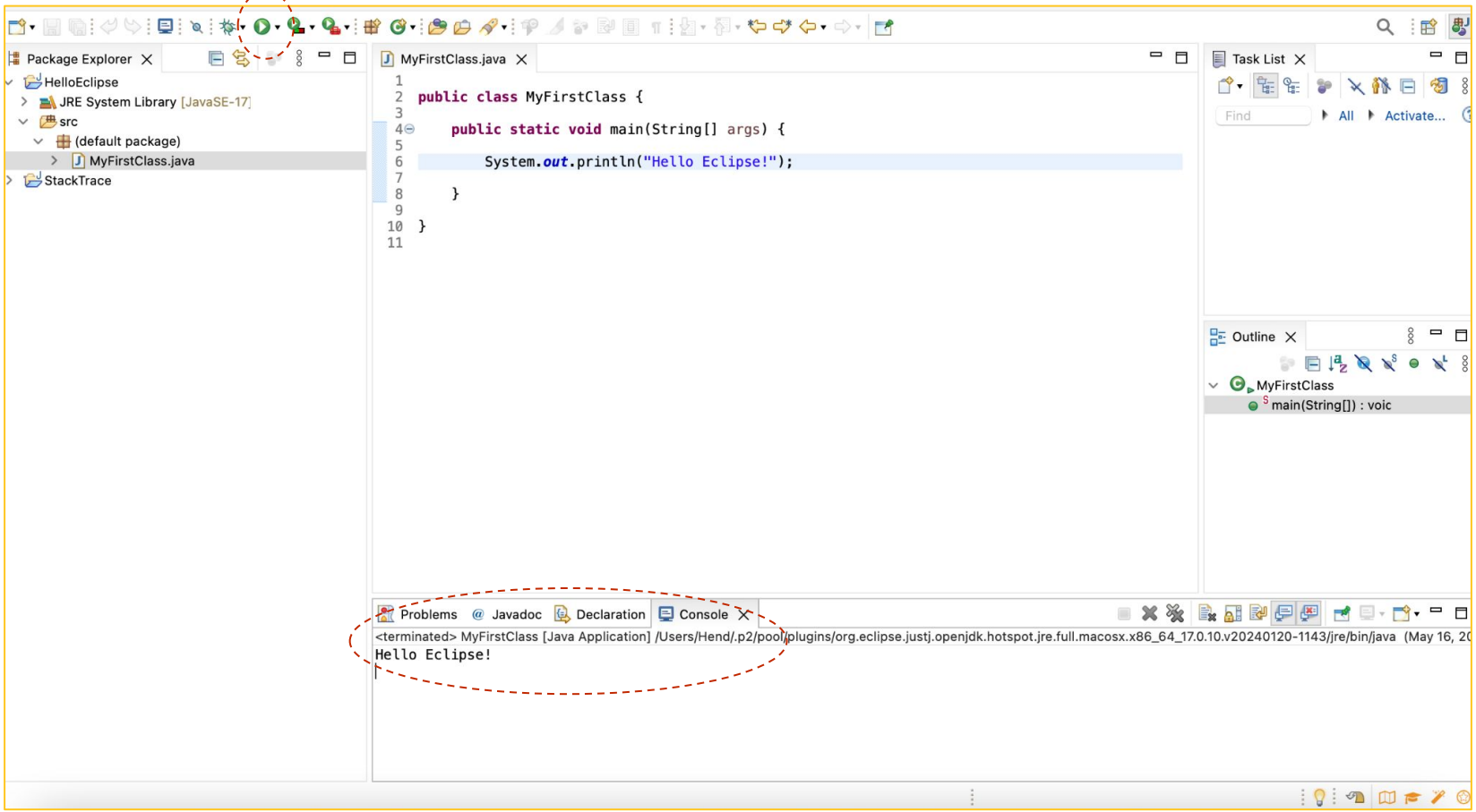
right-click on src > New > Class

give the class a name > finish





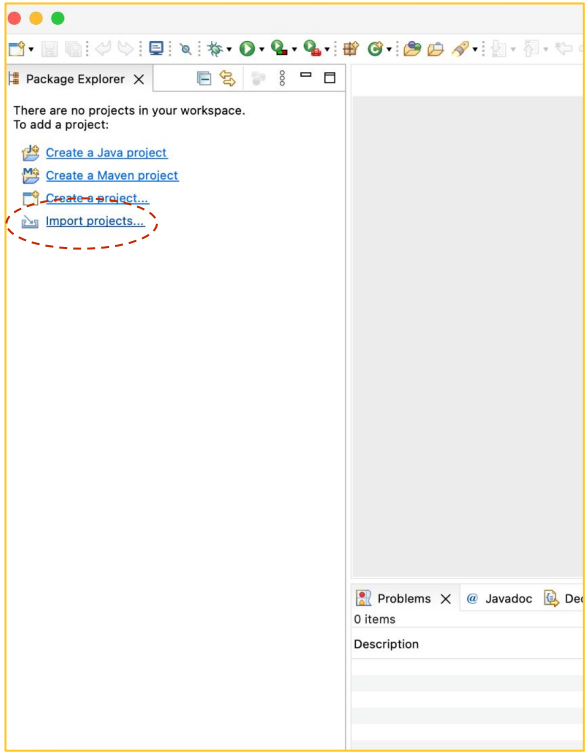
Edit and run your code

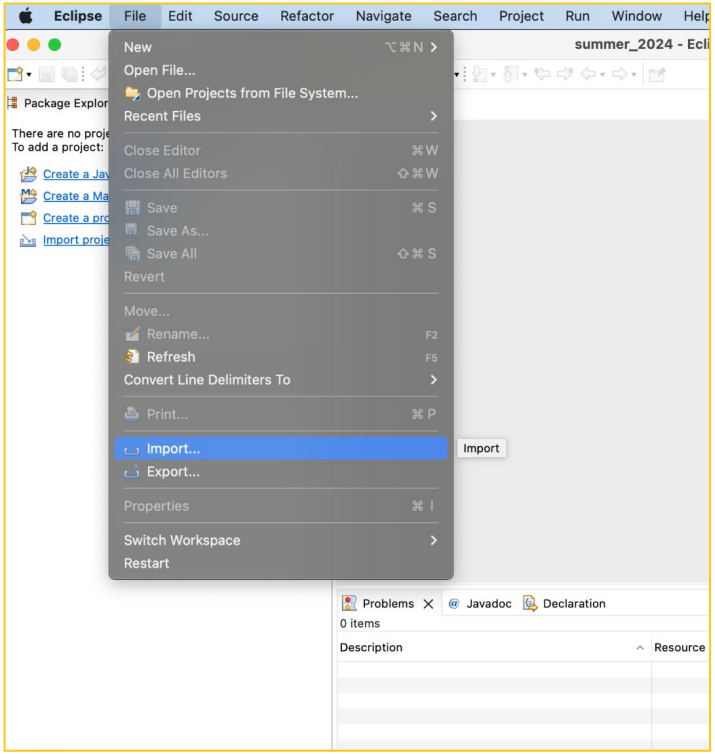


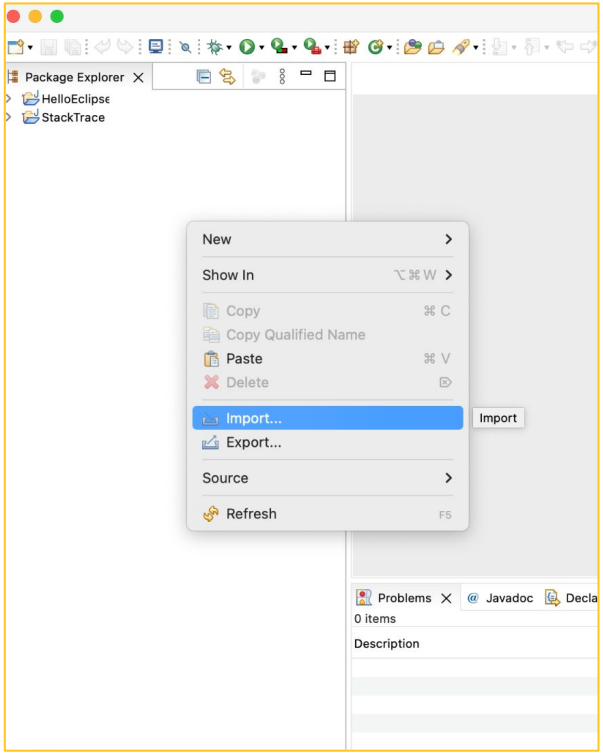
IMPORTING A PROJECT IN ECLIPSE

1. If you have an Eclipse project in a zip file, unzip the file
2. Open Eclipse and select/create a workspace > Launch
3. If the welcome window appears, choose to hide it
4. In the Package Explorer (top left area of IDE), right click and select Import …
5. Select General > Existing Project Into Workspace > Next
6. Browse to find the unzipped project directory > Finish

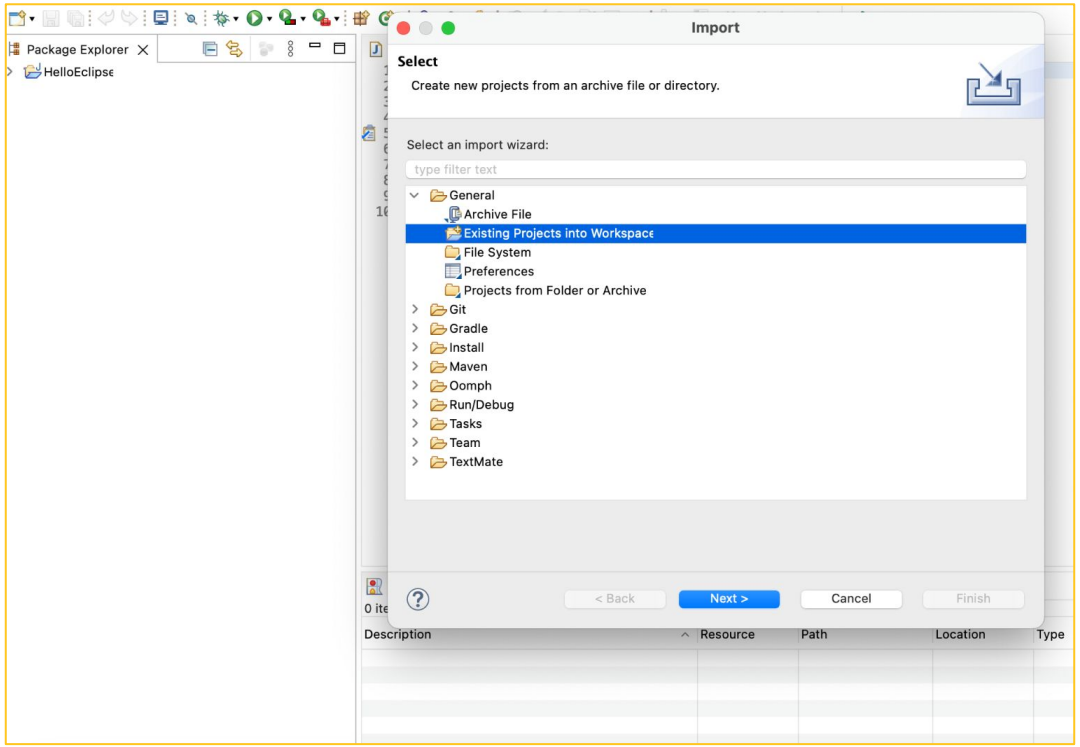
Import an existing project using the import project wizard (multiple ways)



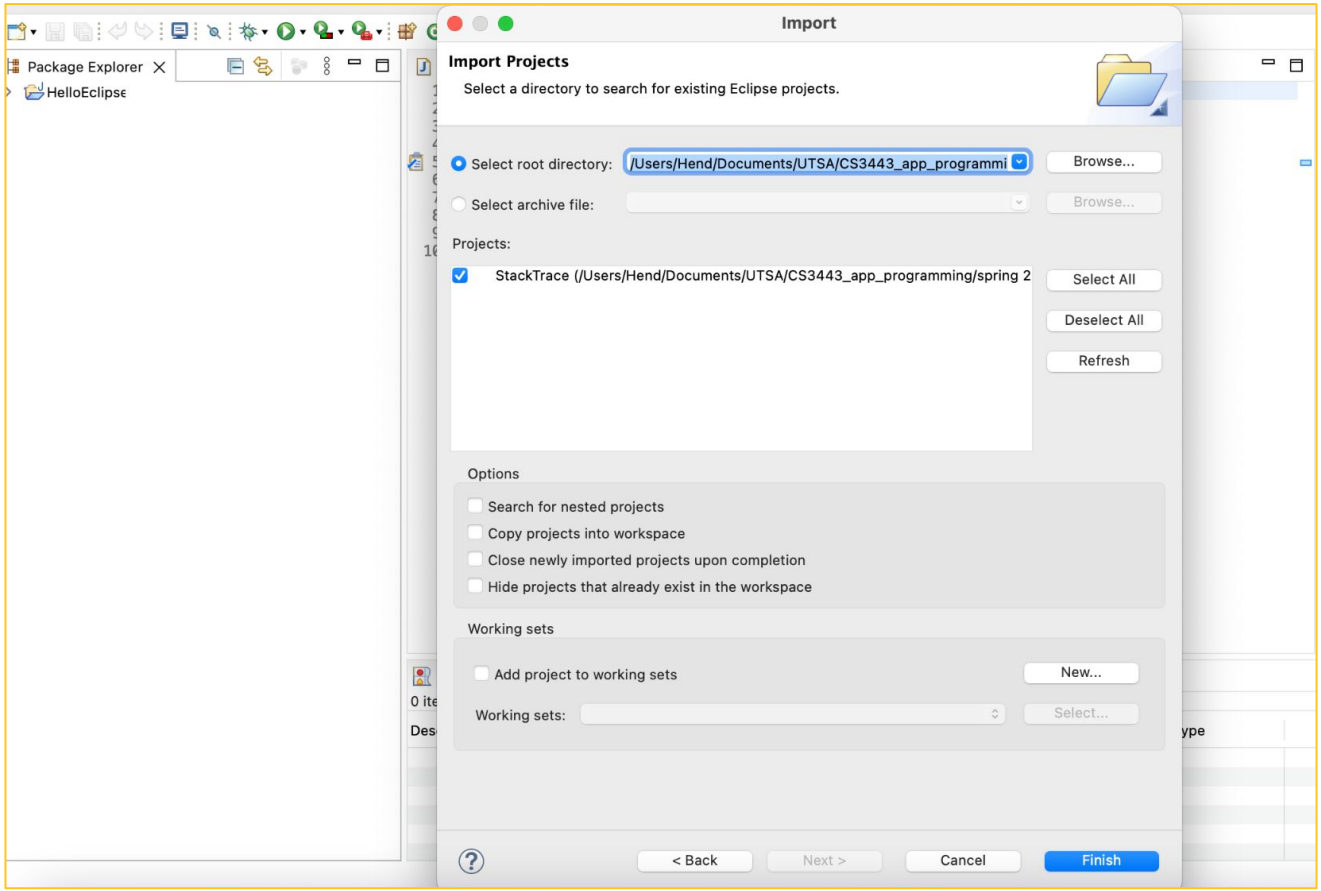




Select General > Existing Project Into Workspace > Next

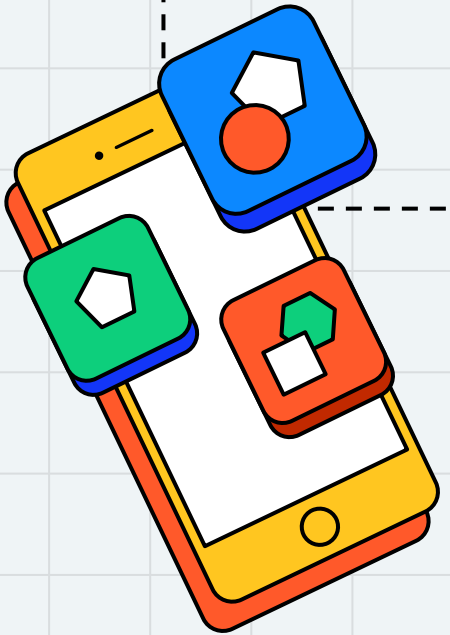


Browse to find the unzipped project directory > Finish



CODE DEMO

- Create a Java project and a Java class to demo concepts!



THANK YOU!

DO YOU HAVE ANY QUESTIONS?

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By Appointment

Online