



# WRITING SIMPLE PROGRAM

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# Overview

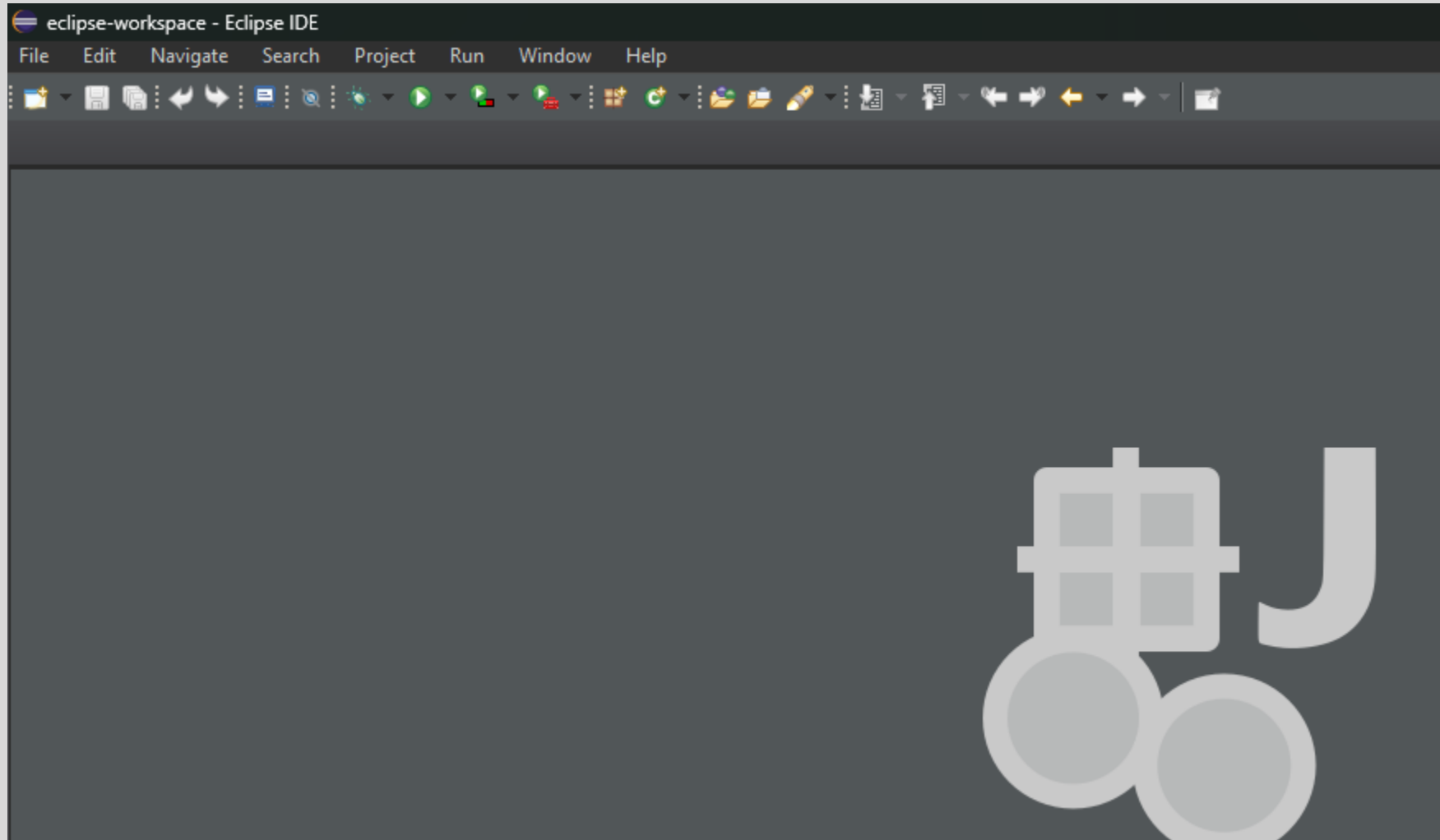
- Creating a new project
- Writing "Hello, World" program

# 1. Creating new project

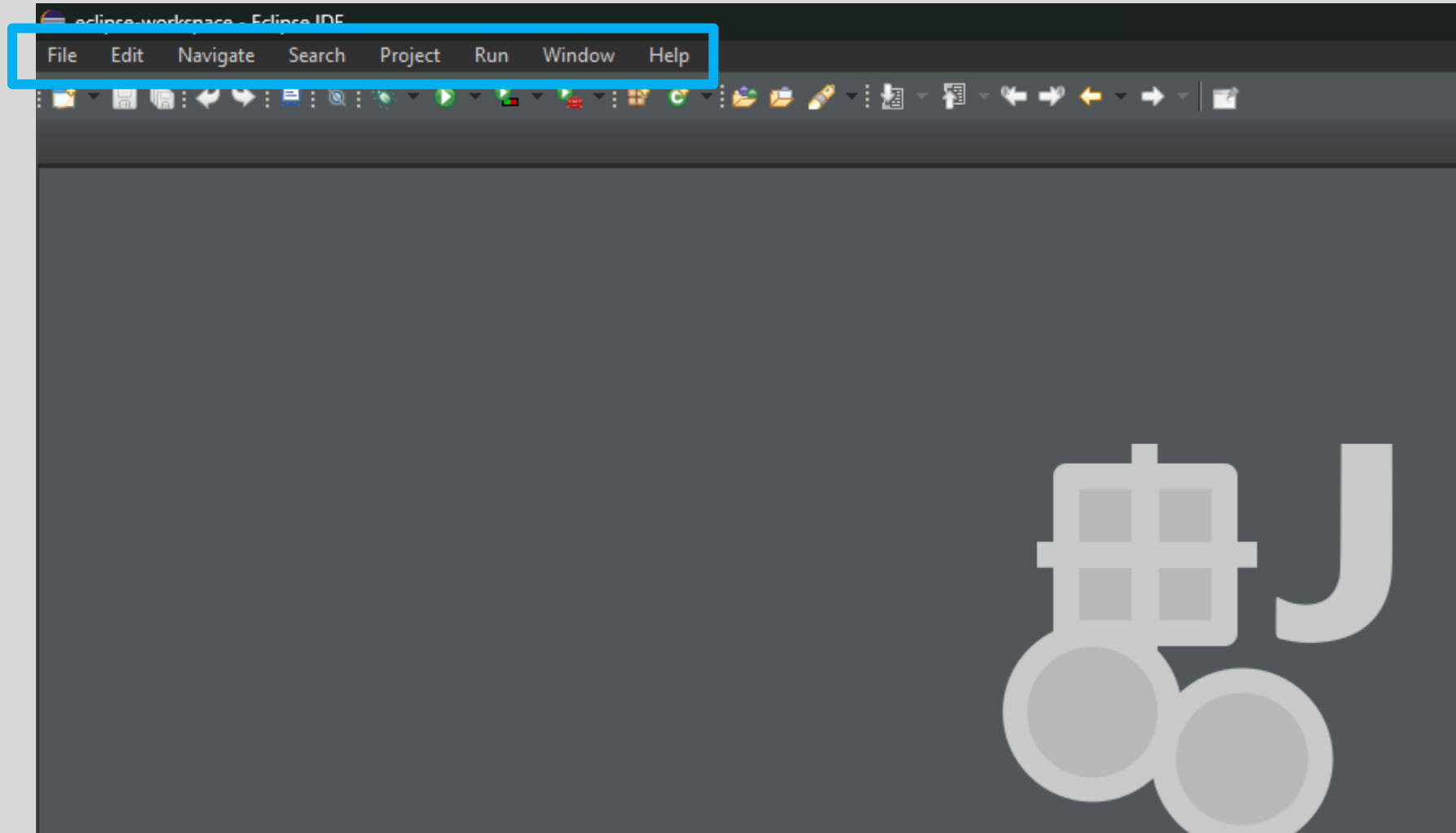
- Go to Eclipse IDE



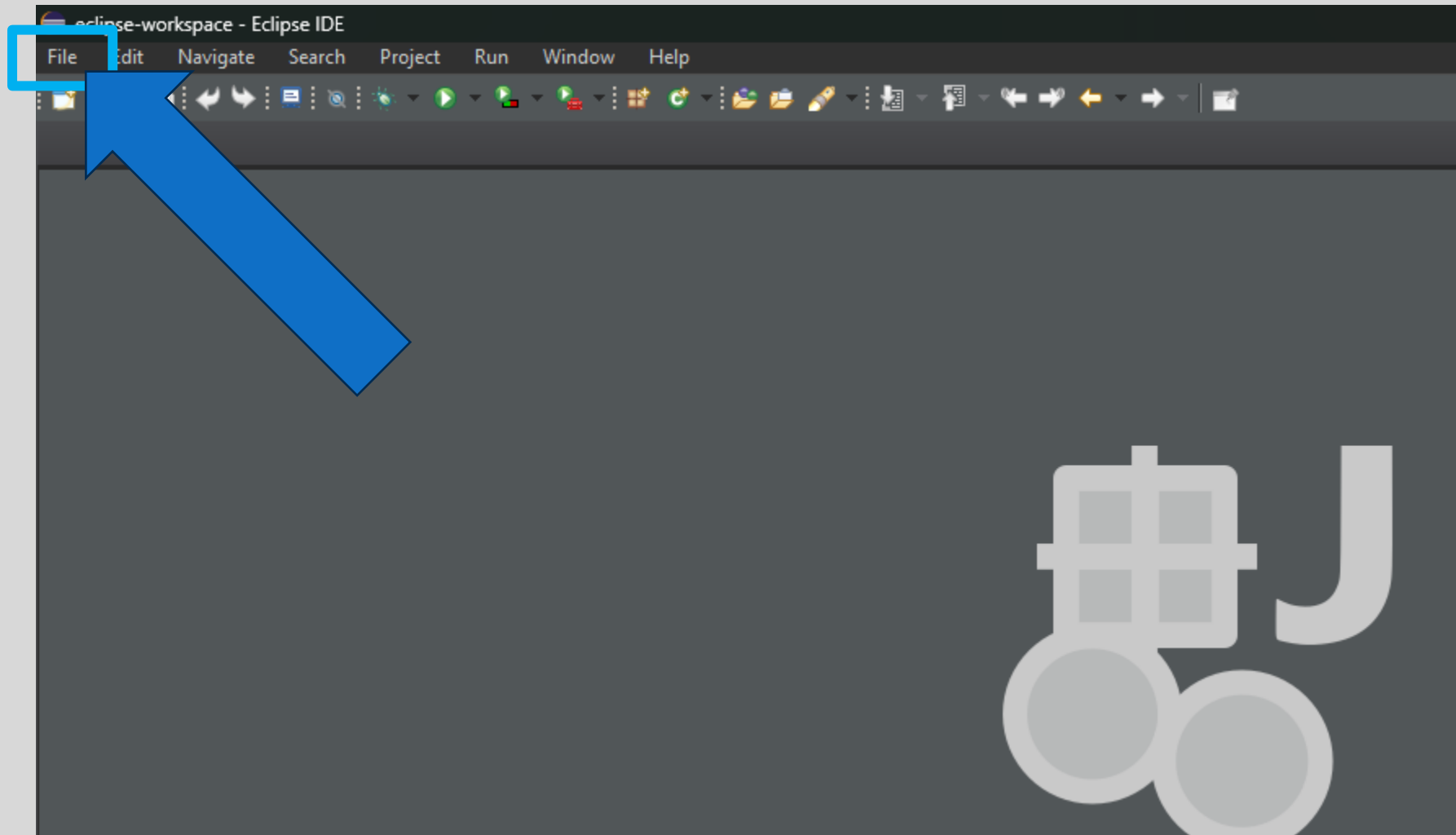
- Go to the upper bar and click on **File**



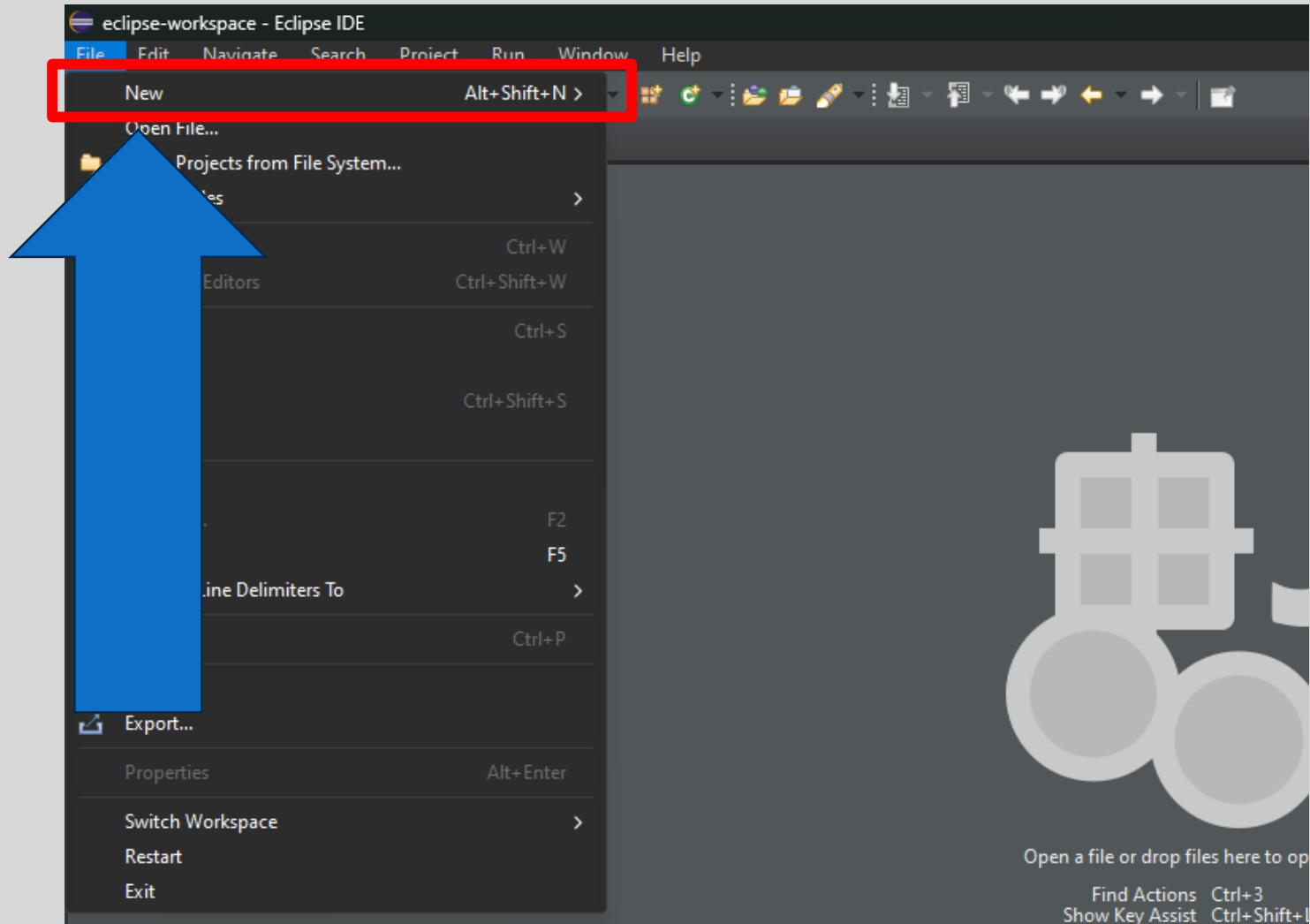
- Go to the upper bar and click on **File**



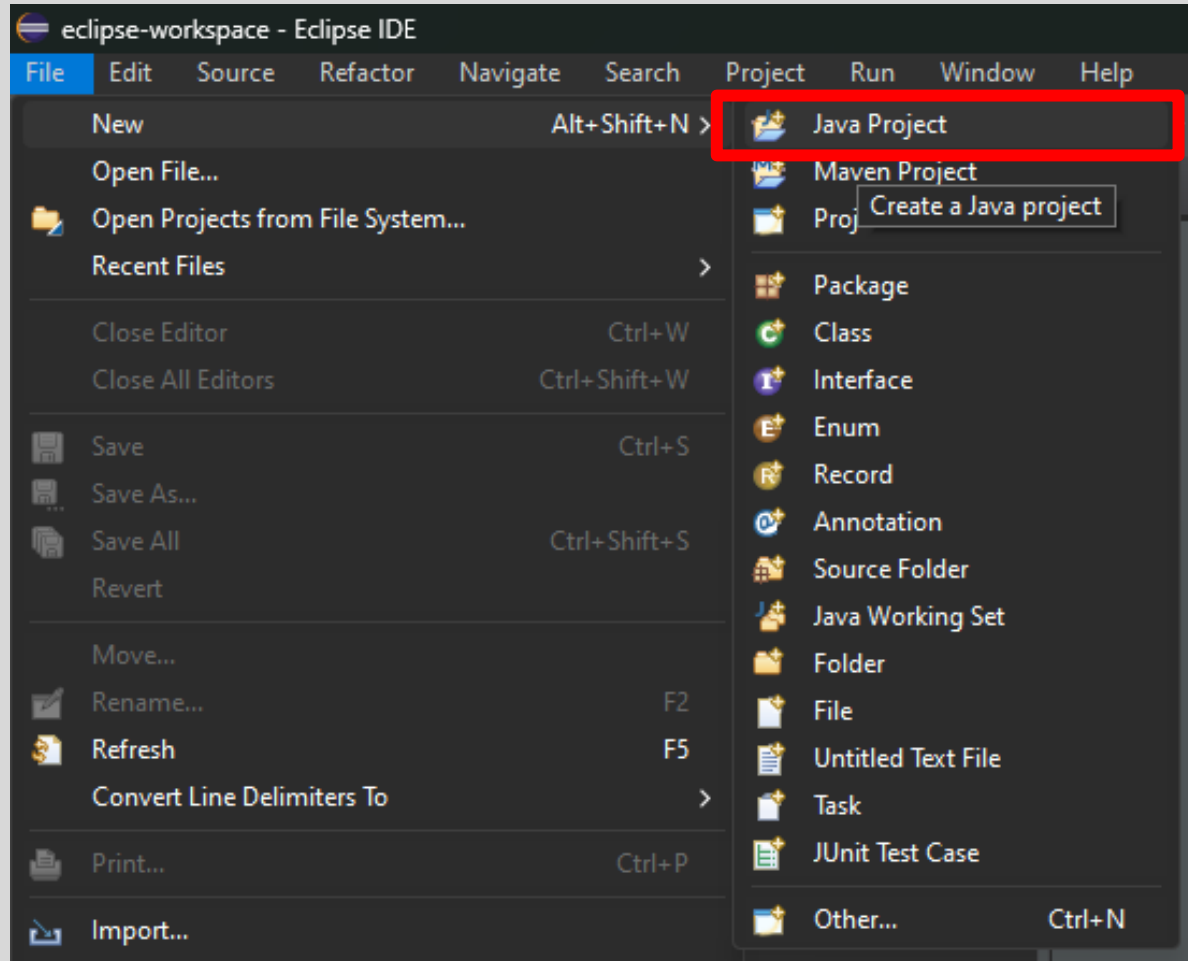
- Go to the upper bar and click on **File**



- Click on **New**

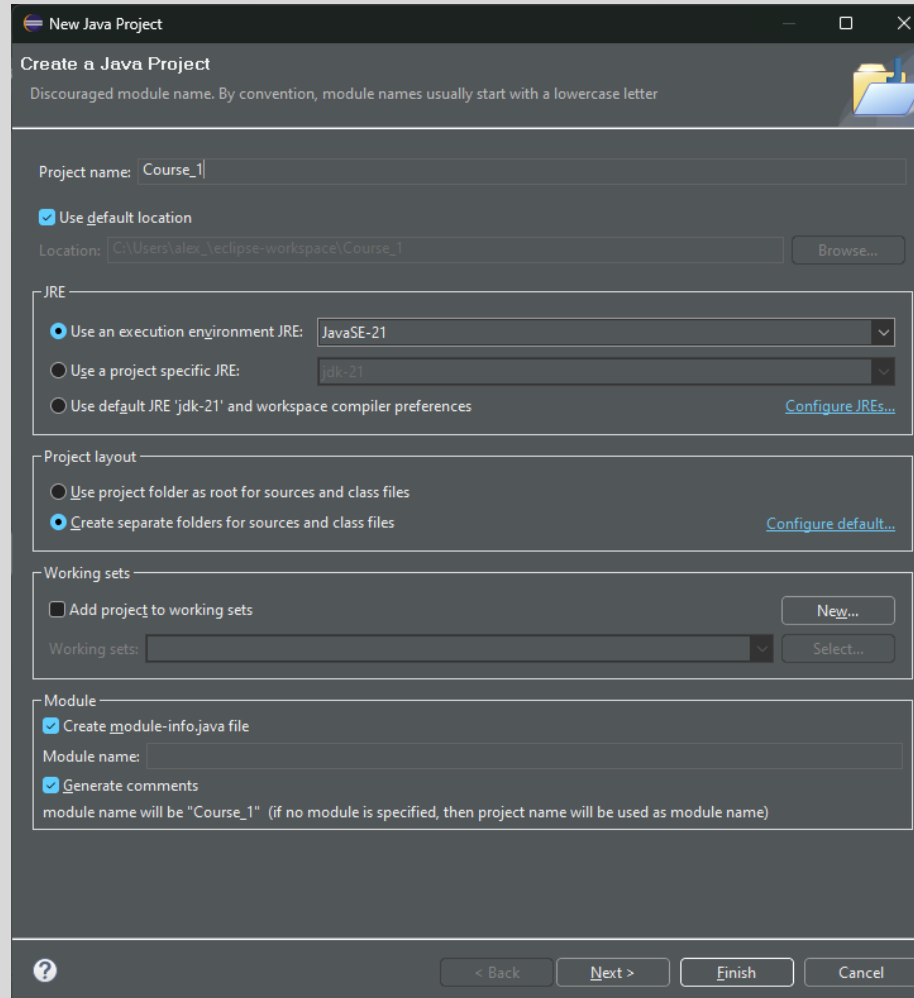


- Choose **Java Project**

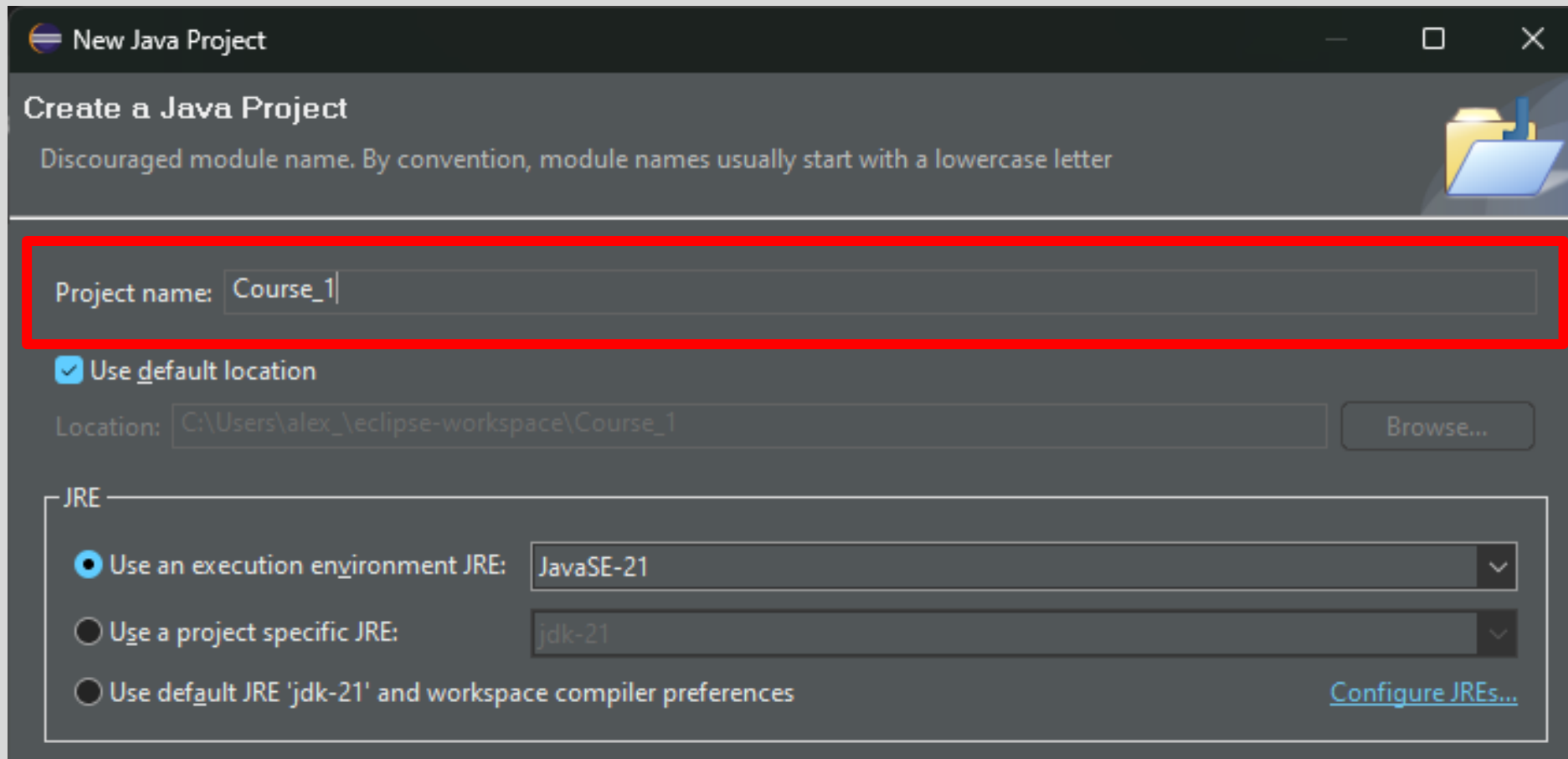




- A new window called "New Java Project" will pop up



- Write your project name



- Click ***finish***

The image shows a configuration dialog box with two main sections: "Working sets" and "Module".

**Working sets section:**

- There is a checkbox labeled "Add project to working sets" which is currently unchecked.
- To the right of this checkbox is a "New..." button.
- Below the checkbox is a text field labeled "Working sets:" followed by a dropdown menu.
- To the right of the dropdown menu is a "Select..." button.

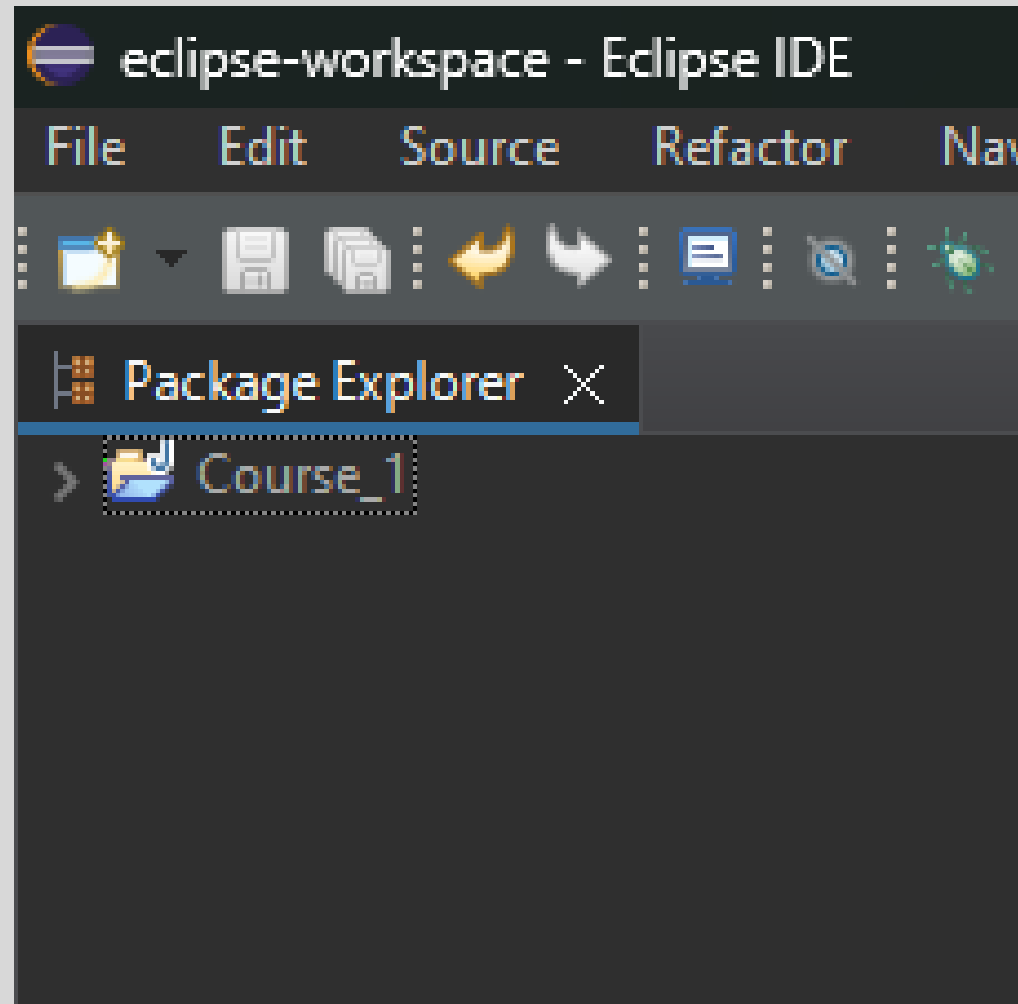
**Module section:**

- There is a checked checkbox labeled "Create module-info.java file".
- Below this is a text field labeled "Module name:".
- There is another checked checkbox labeled "Generate comments".
- Below the checkboxes is a note: "module name will be 'Course\_1' (if no module is specified, then project name will be used as module name)".

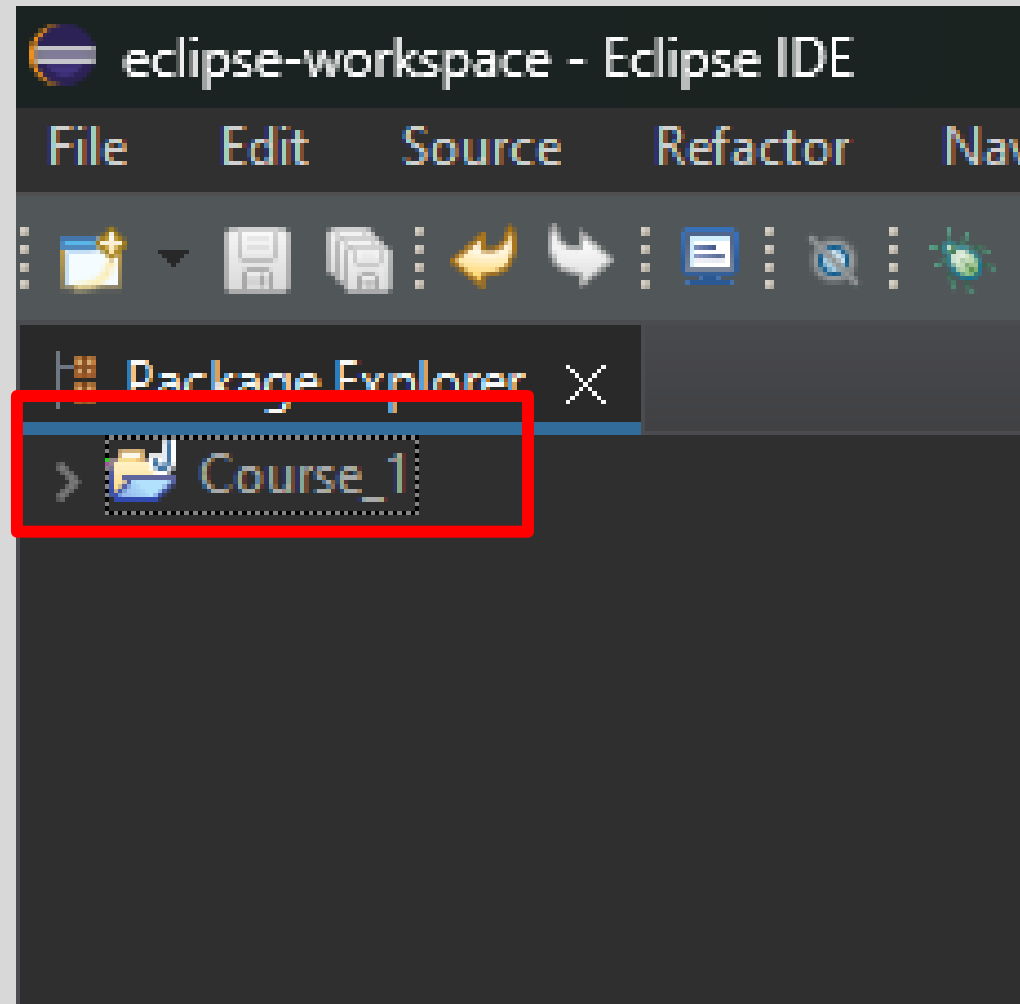
**Bottom navigation bar:**

- On the far left is a question mark icon.
- Next are buttons for "< Back", "Next >", "Finish", and "Cancel".
- The "Finish" button is highlighted with a red rectangular box.

- The project will appear on **Project Explorer**

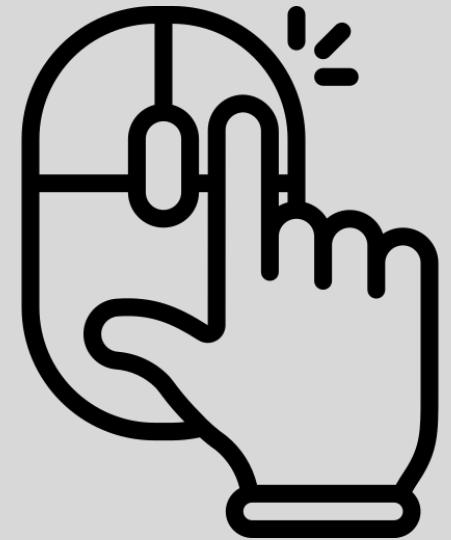
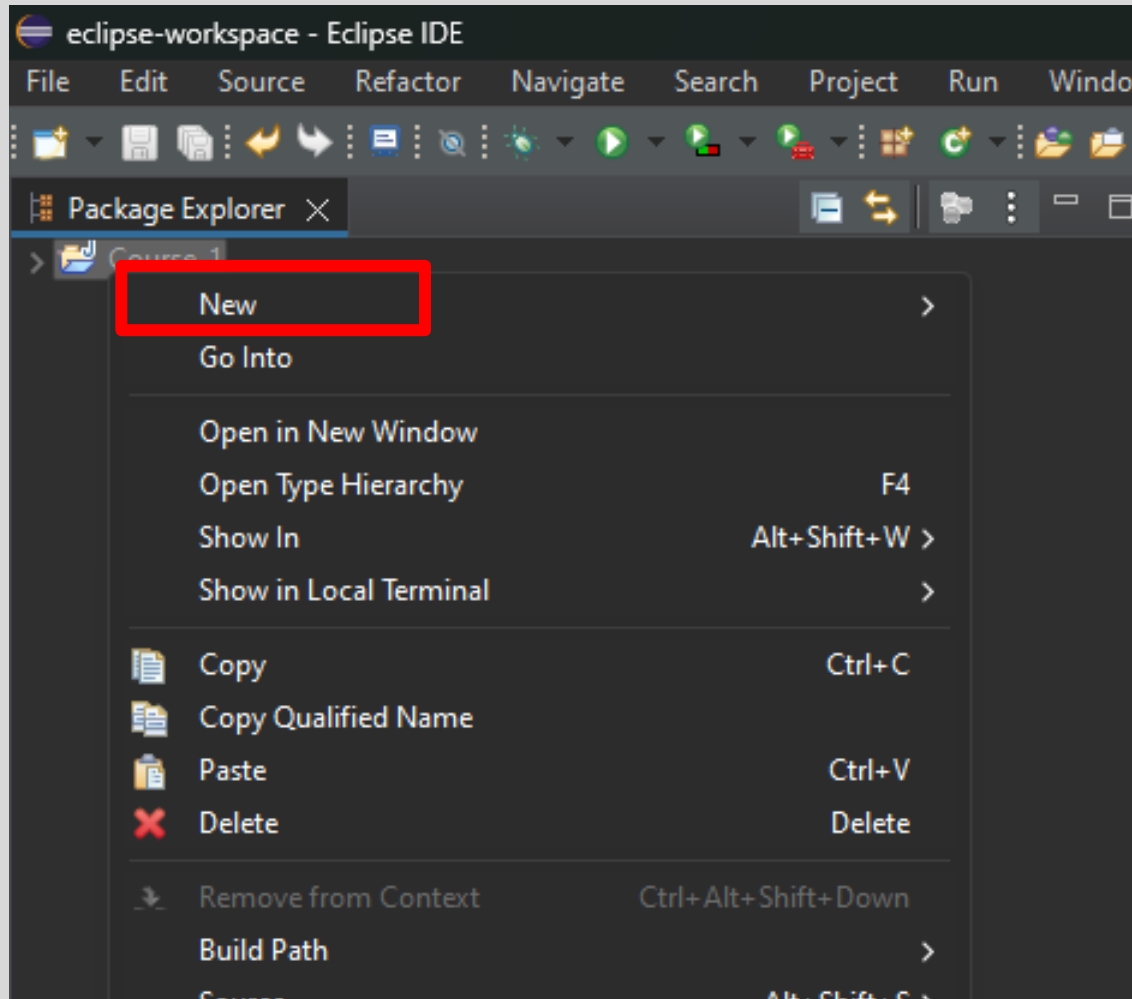


- The project will appear on **Project Explorer**

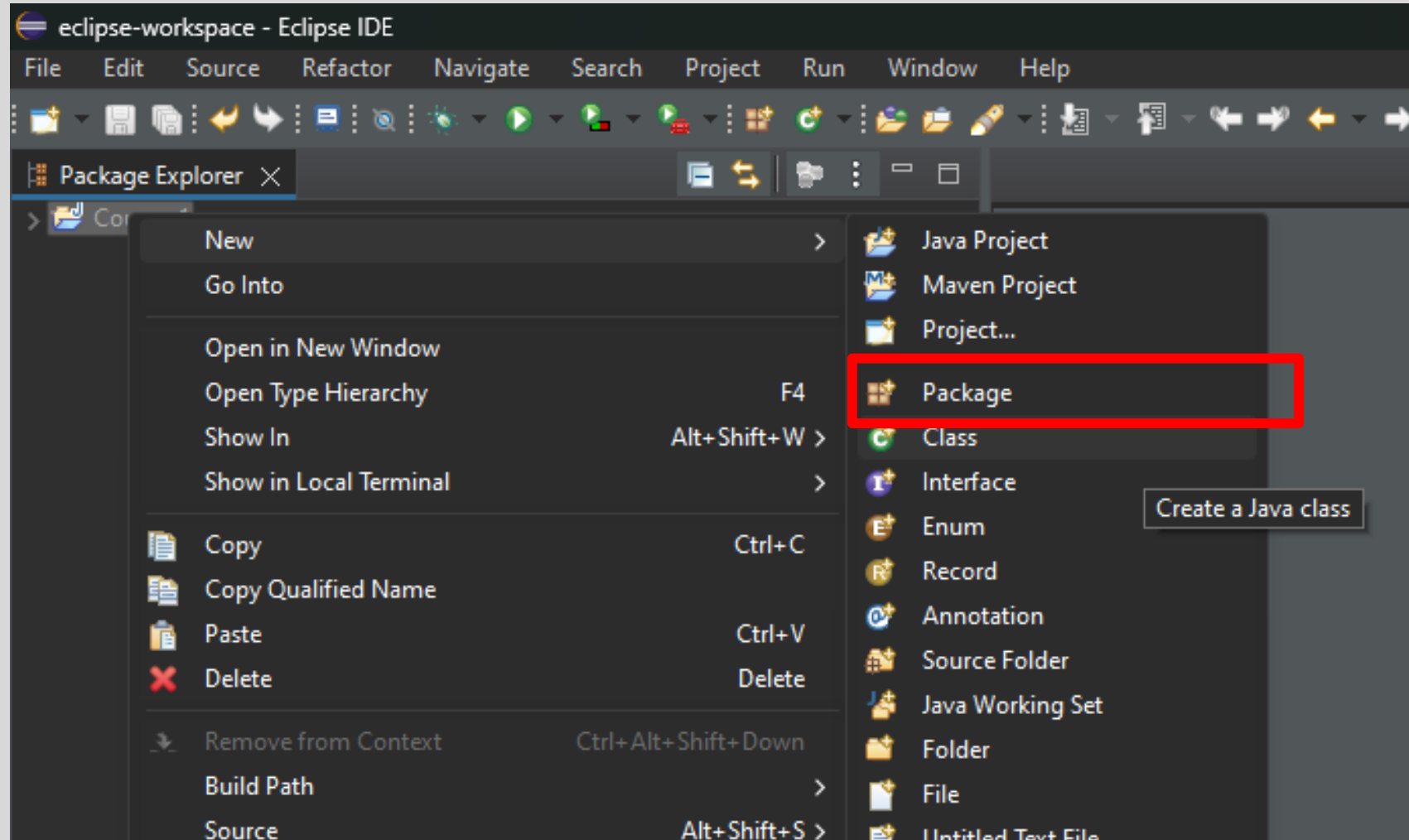




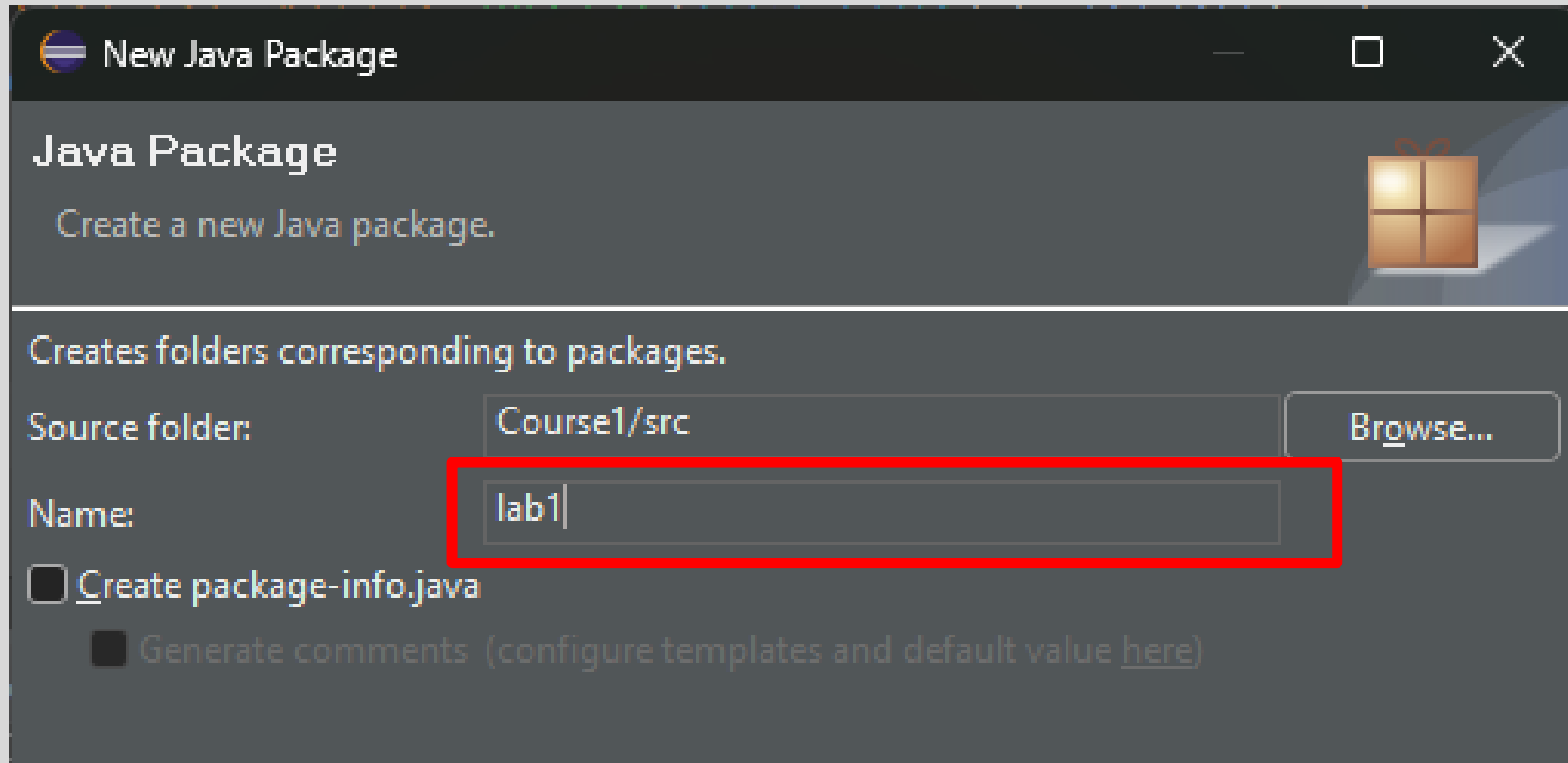
- **Right Click** on the project and choose new



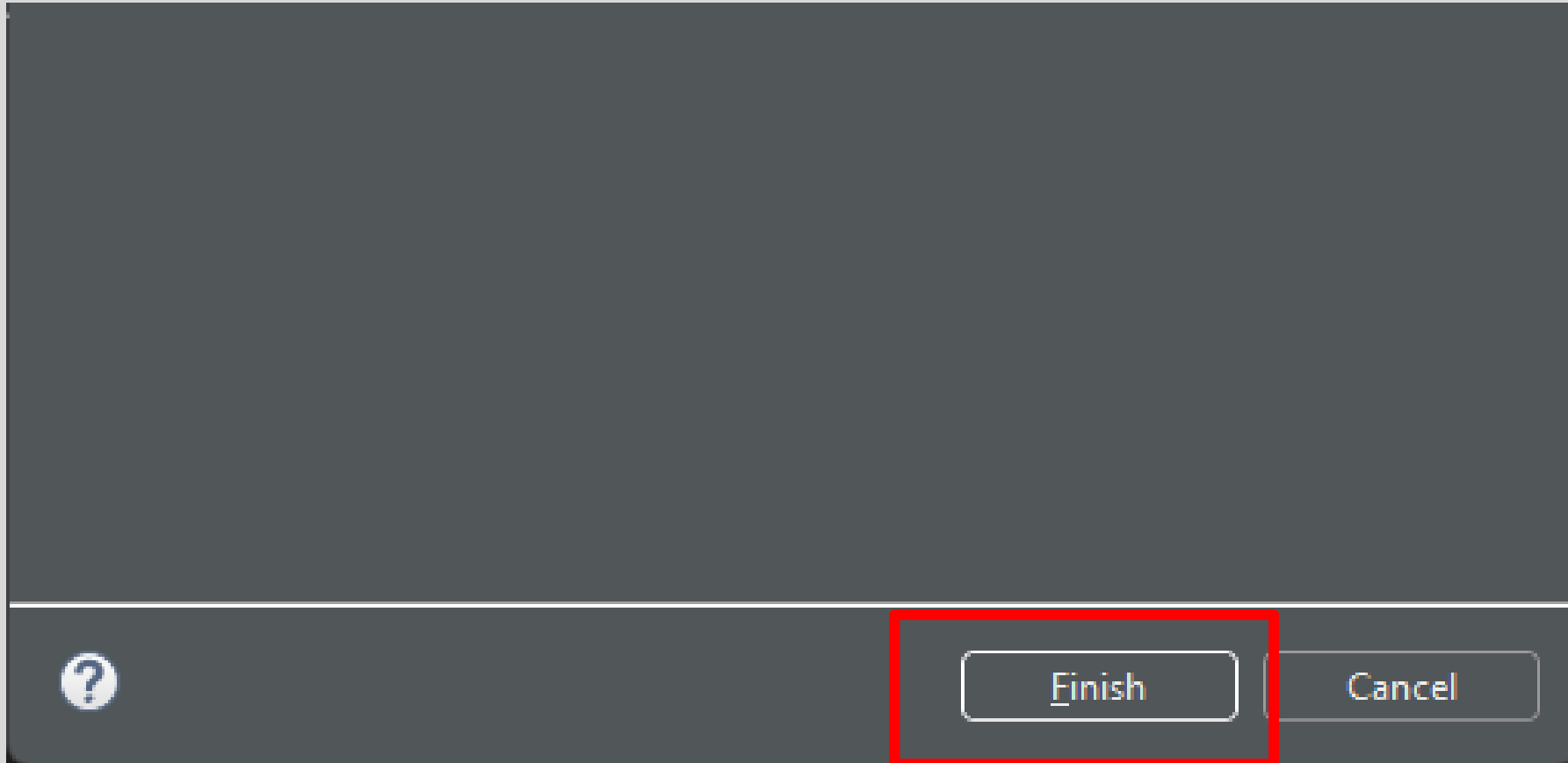
- Choose **Package**



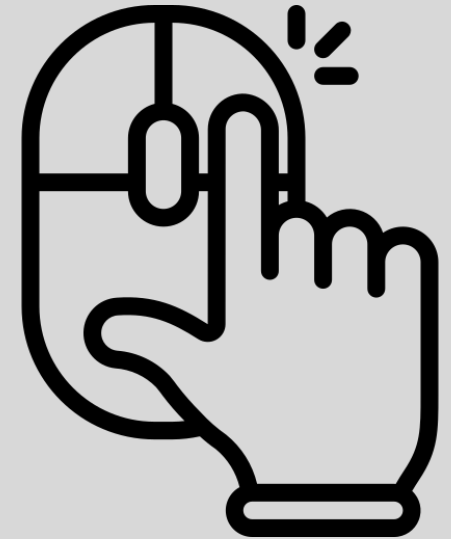
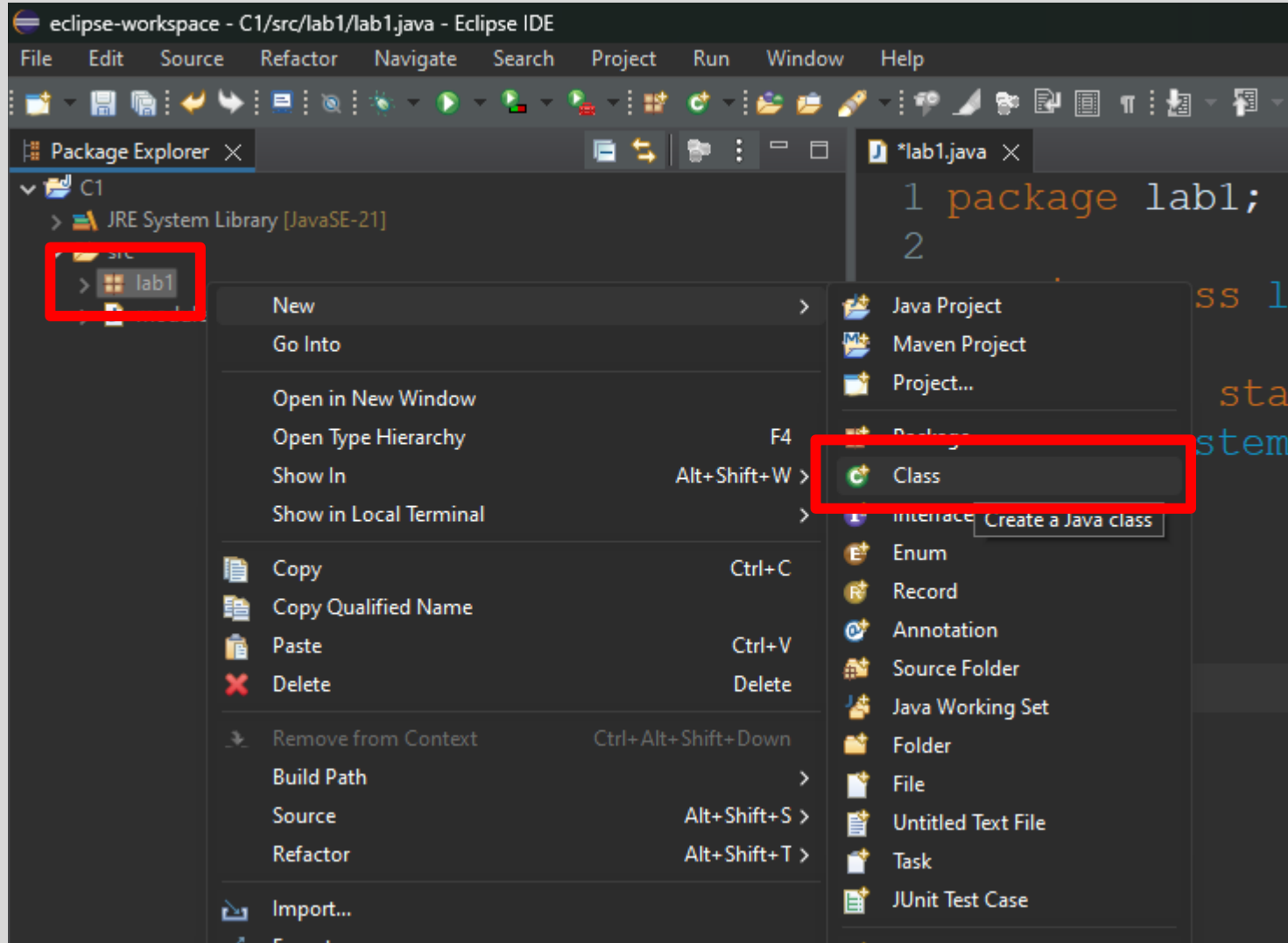
- Name it



- Finish

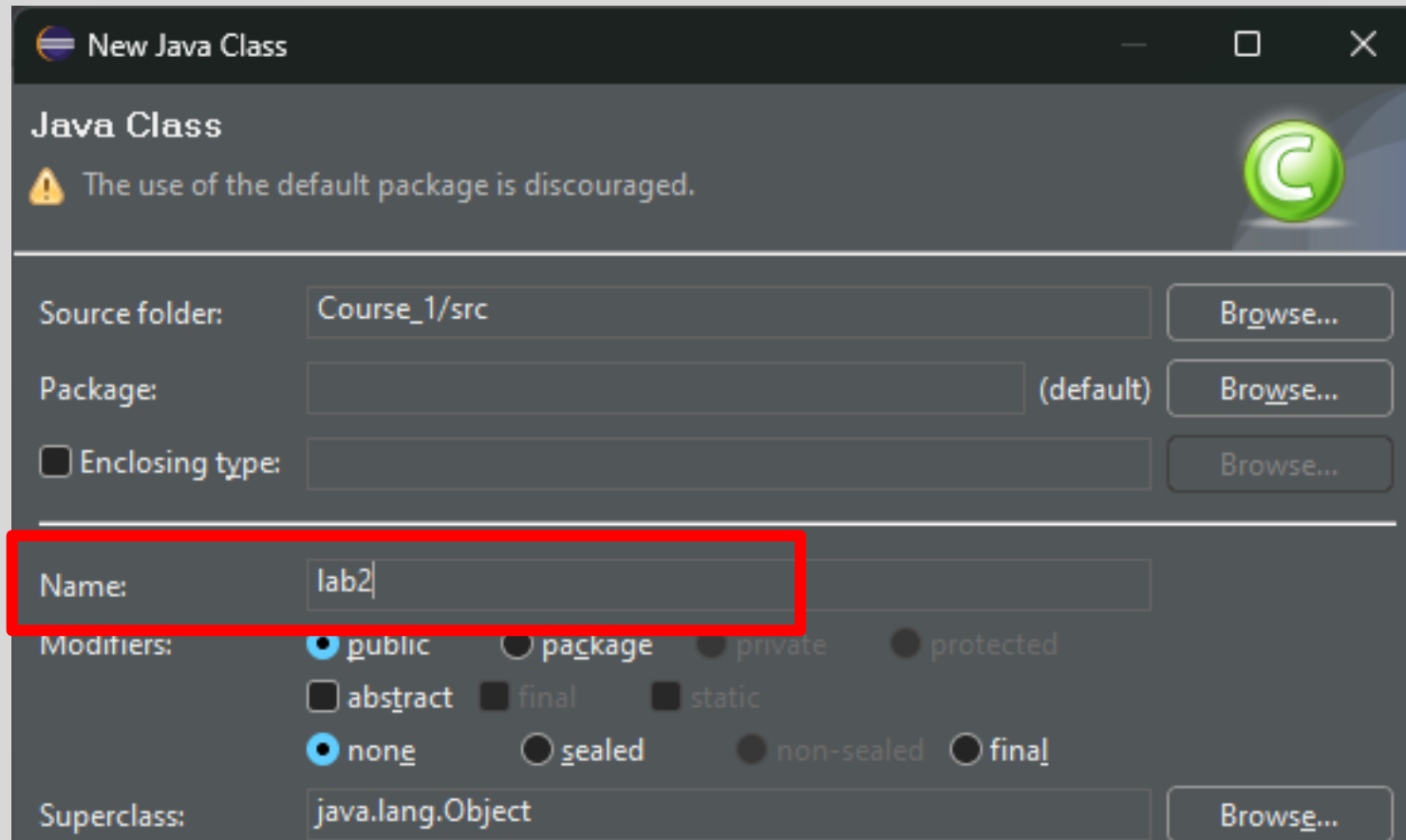


- Right Click on the package name and do the same previous process but choose **class**





- **Name** the class



- Check the ***public static void main(String[] args)*** then click ***finish***

Superclass:

Interfaces:

Which method stubs would you like to create?

- public static void main(String[] args)**
- Constructors from superclass
- Inherited abstract methods

Do you want to add comments? (Configure templates and default value [here](#))

- Generate comments



Hello, world!\_

# 1. Writing Hello World Code

- A new window will appear on the program showing you a prewritten code like this :

```
1 package week1;
2
3 public class lab1 {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7
8     }
9
10 }
```

- **Write** `System.out.print("Hello, World!");`

```
package week1;

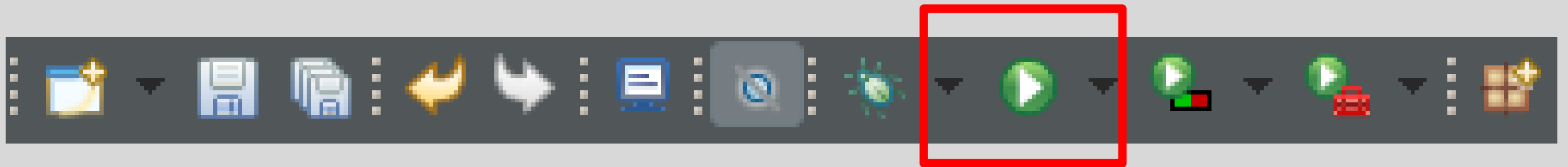
public class lab1 {

    public static void main(String[] args) {
        System.out.print("Hello, World!");
    }

}
```

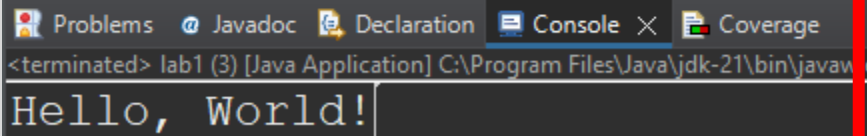


- ***Run the code***



- If you did everything right , it should print "Hello, World!"

```
1 package week1;
2
3 public class lab1 {
4
5     public static void main(String[] args) {
6         System.out.print("Hello, World!");
7     }
8
9 }
10
```



The screenshot shows the IDE's console window with the following tabs: Problems, Javadoc, Declaration, Console, and Coverage. The Console tab is active and displays the output of the Java program: "Hello, World!". The console title bar indicates the application is "lab1 (3) [Java Application]" running at "C:\Program Files\Java\jdk-21\bin\javaw.exe" on "Jan 16, 2024, 8:03:59 PM - 8:04:00 PM" with PID 27724. A red rectangle highlights the console output area.

```
<terminated> lab1 (3) [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe (Jan 16, 2024, 8:03:59 PM - 8:04:00 PM) [pid: 27724]
Hello, World!
```

# Congrats, You've Written Your First Code

