Introduction

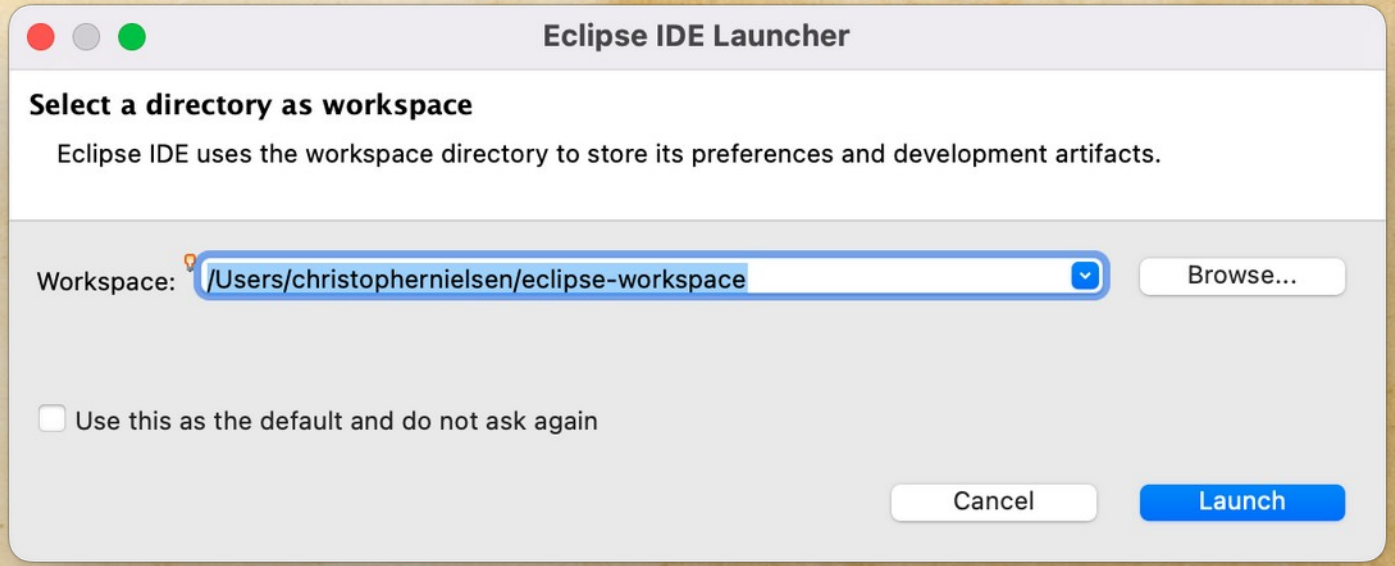
Integrated Development Environment (IDE):
Eclipse – Hello World

Lecture Contents

- Previously, on Installing Eclipse…
- Reset Perspective
- Hello World Program
  - Create a ***project***
  - Create a ***package***
  - Create a **`Class`**
    - `public static void main(String[] args)`
    - `System.out.println("…");`
- What about VS Code?

Previously, on Installing Eclipse...

- When you start Eclipse…
  - the default directory should be fine.
  - **this is where your code will be saved!**

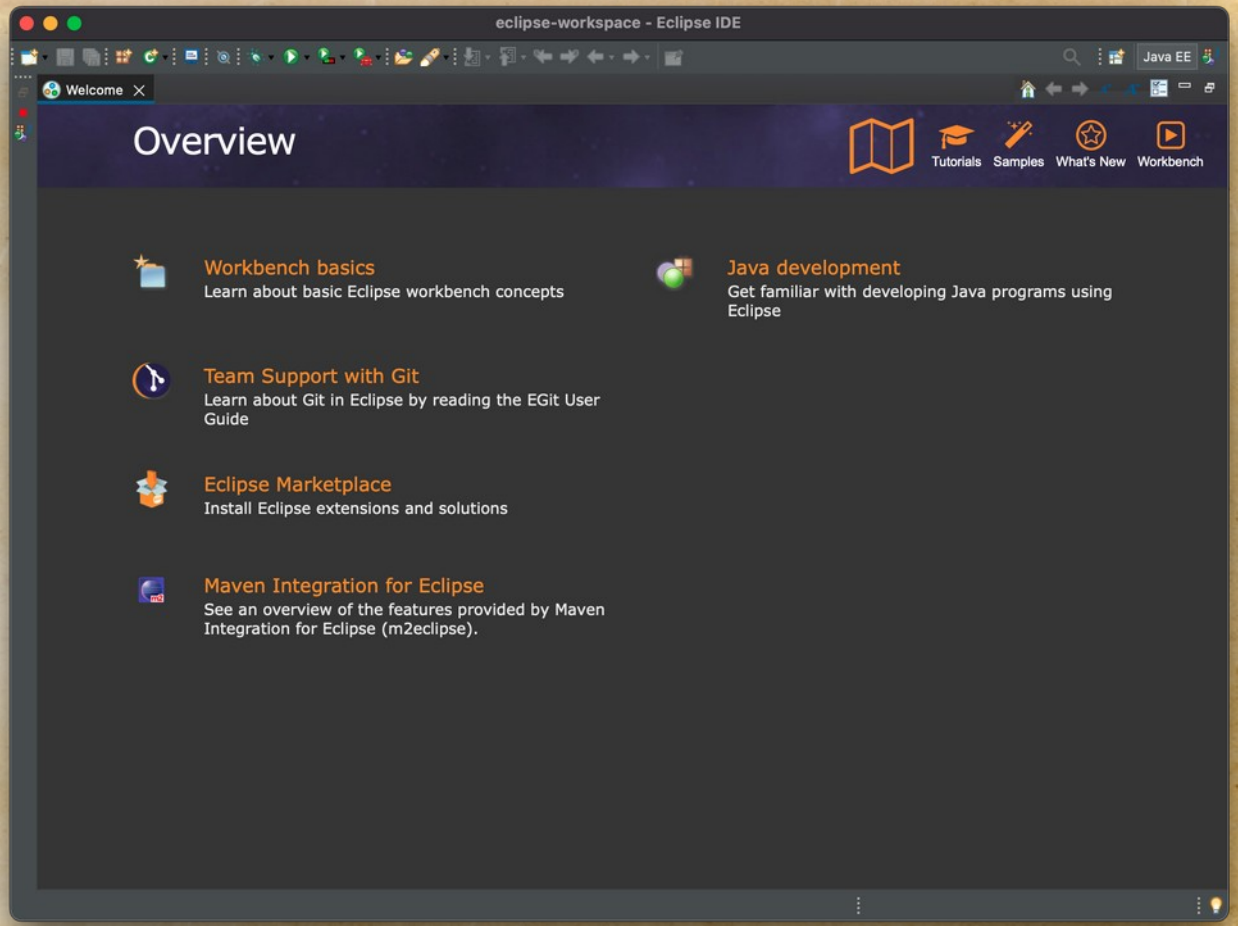


Previously, on Installing Eclipse...

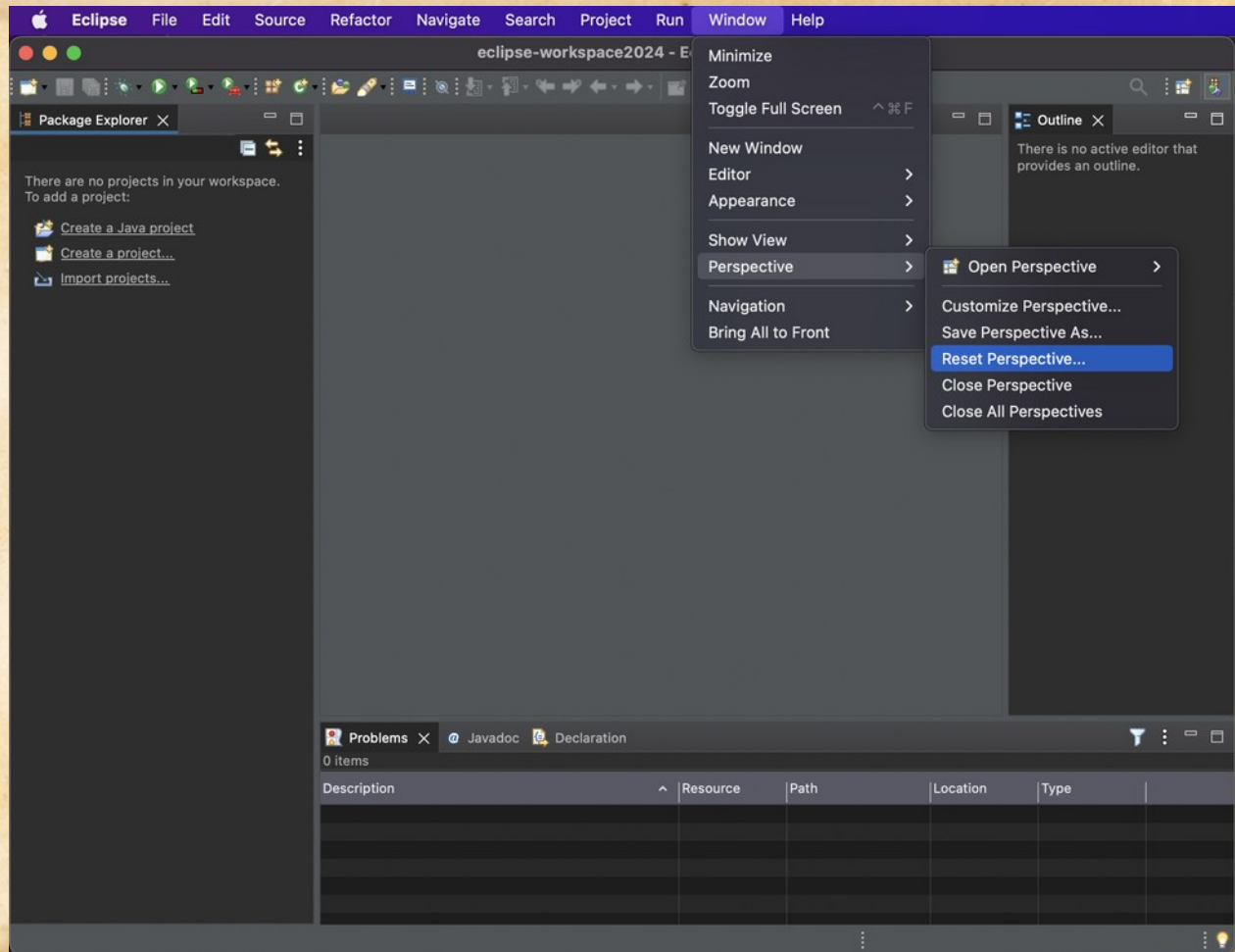
- If you get here, then it seems you have Eclipse installed successfully.

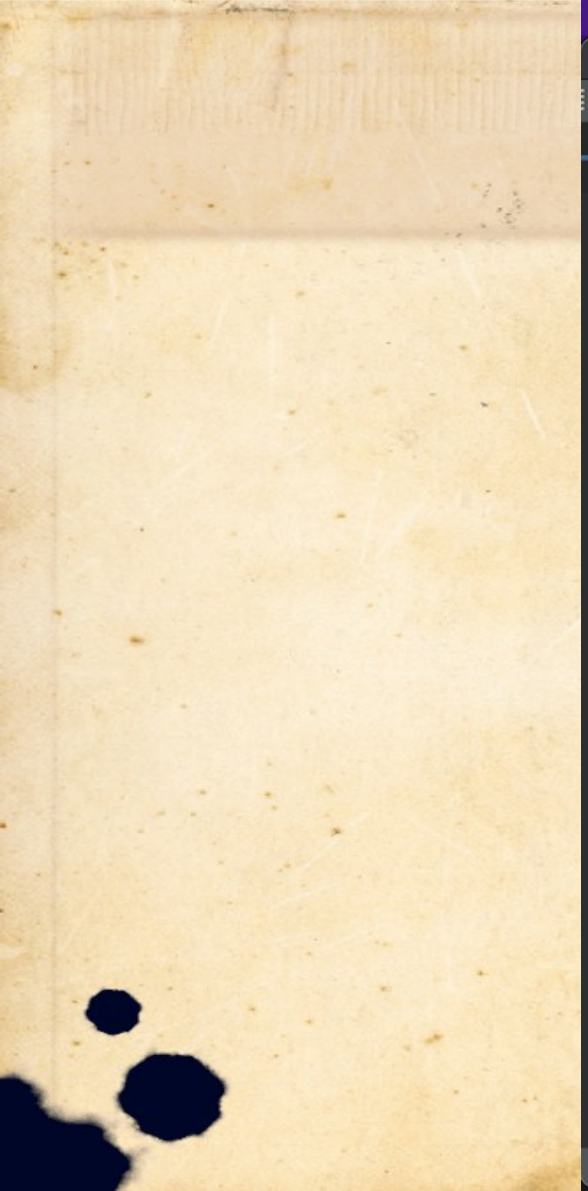
  🎉Congratulations!

- Next step is writing your first Java program!



- ***Hint***: If you ever lose your "**Package Explorer**" or other tabs, "**Reset Perspective…**" might restore the interface to the default settings...

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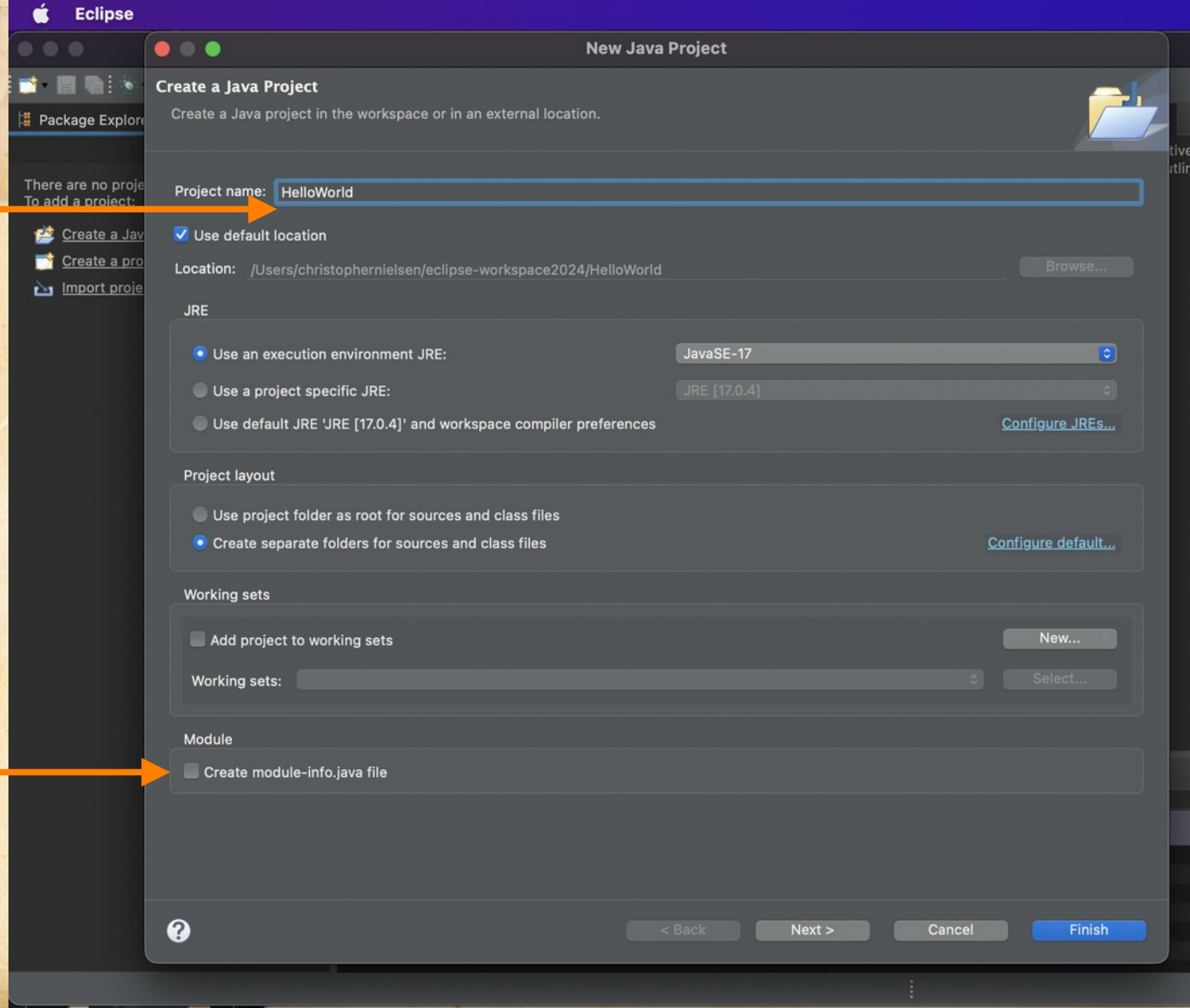
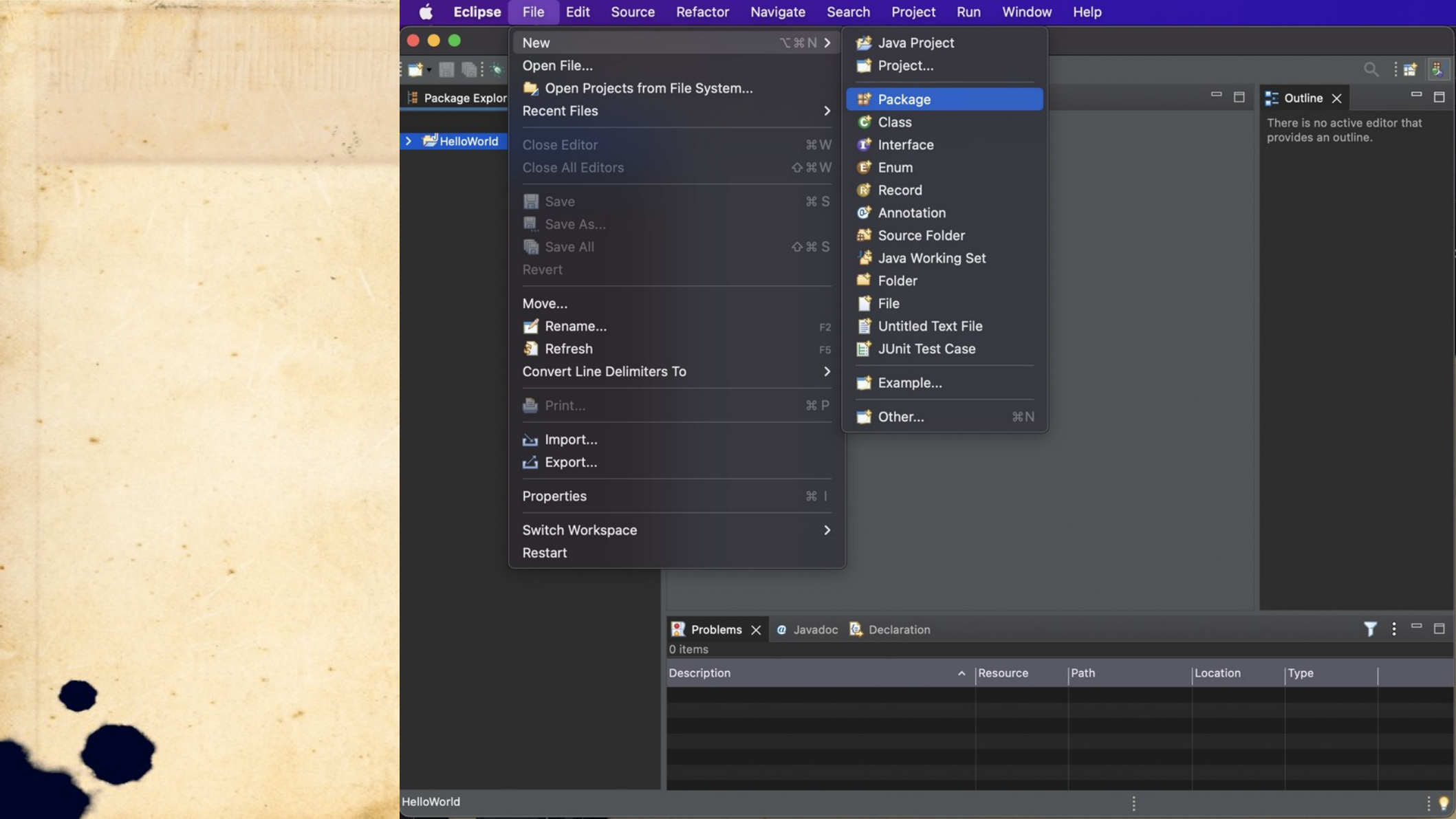
Select an appropriate name; no spaces

Later, I suggest you create a new project for each unit, and separate assignments within each unit into new packages.

Uncheck this box

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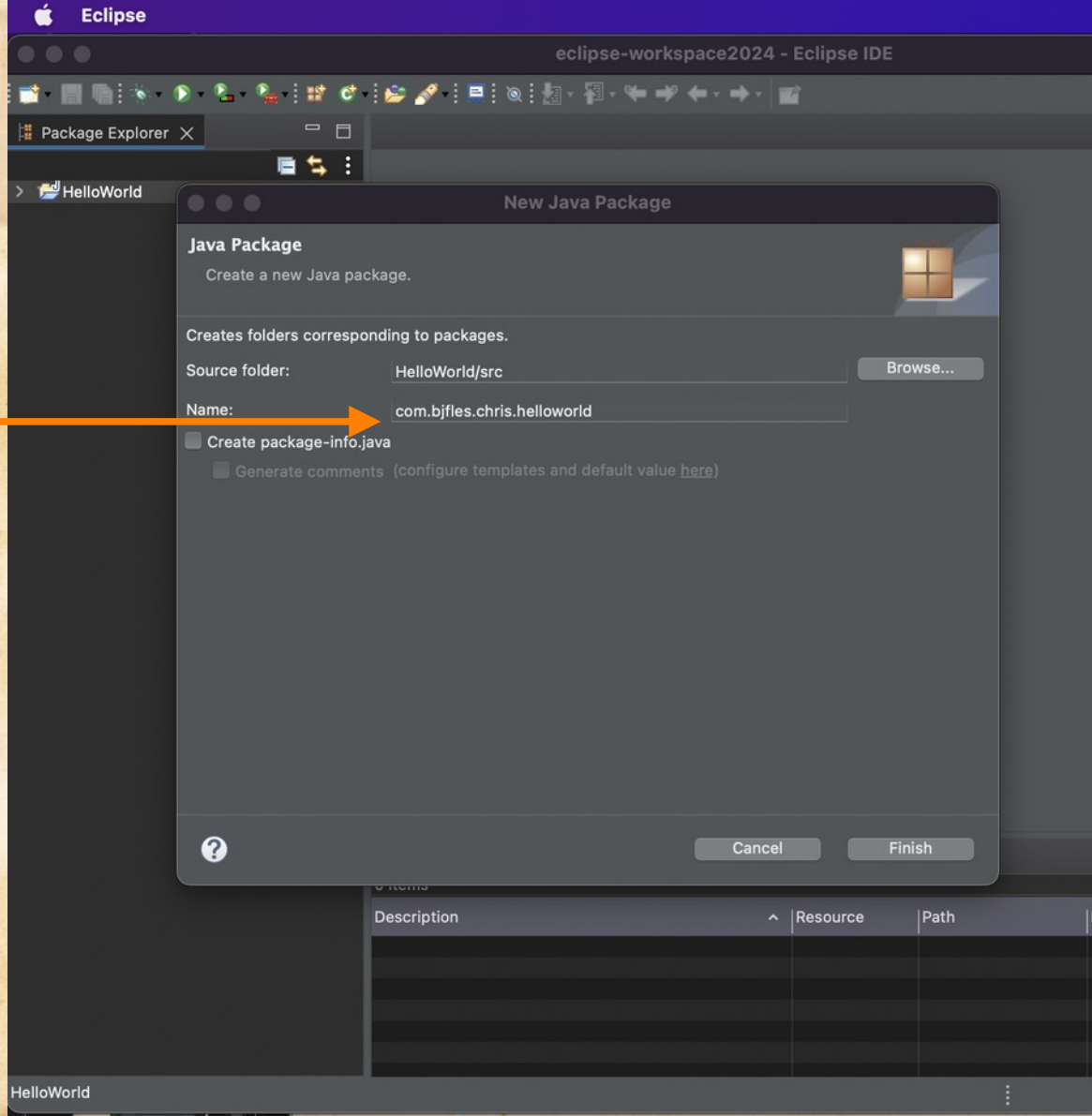
HelloWorld

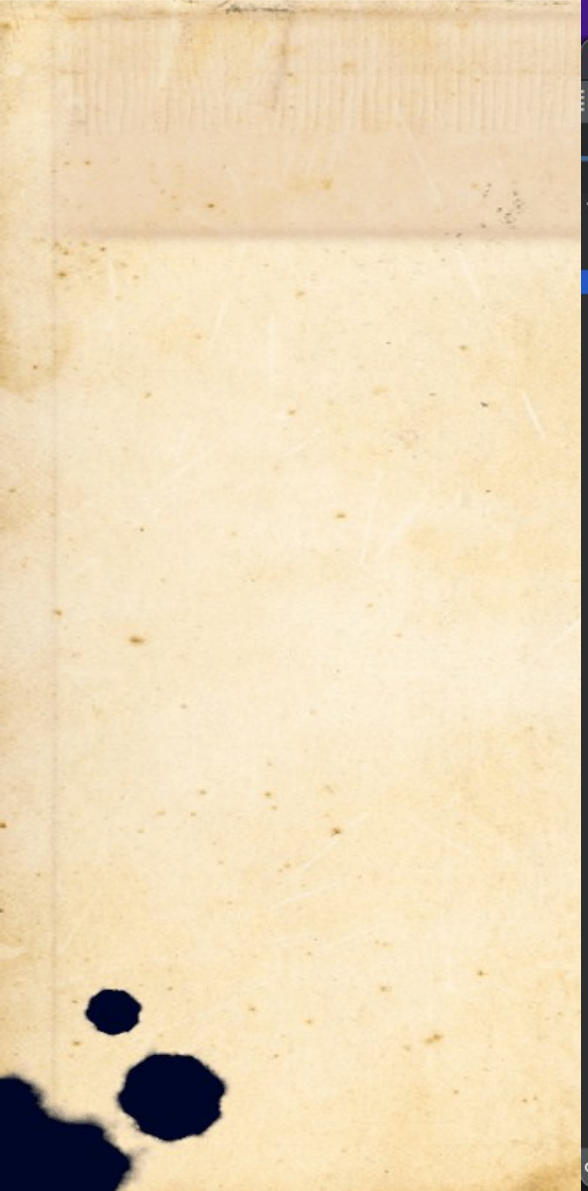
The standard naming convention for Java packages is the internet domain name in reverse.

For example, our school domain name is “bjfles.com”, so Java packages from our school should start with:

`com.bjfles`

After this, add some descriptive naming.

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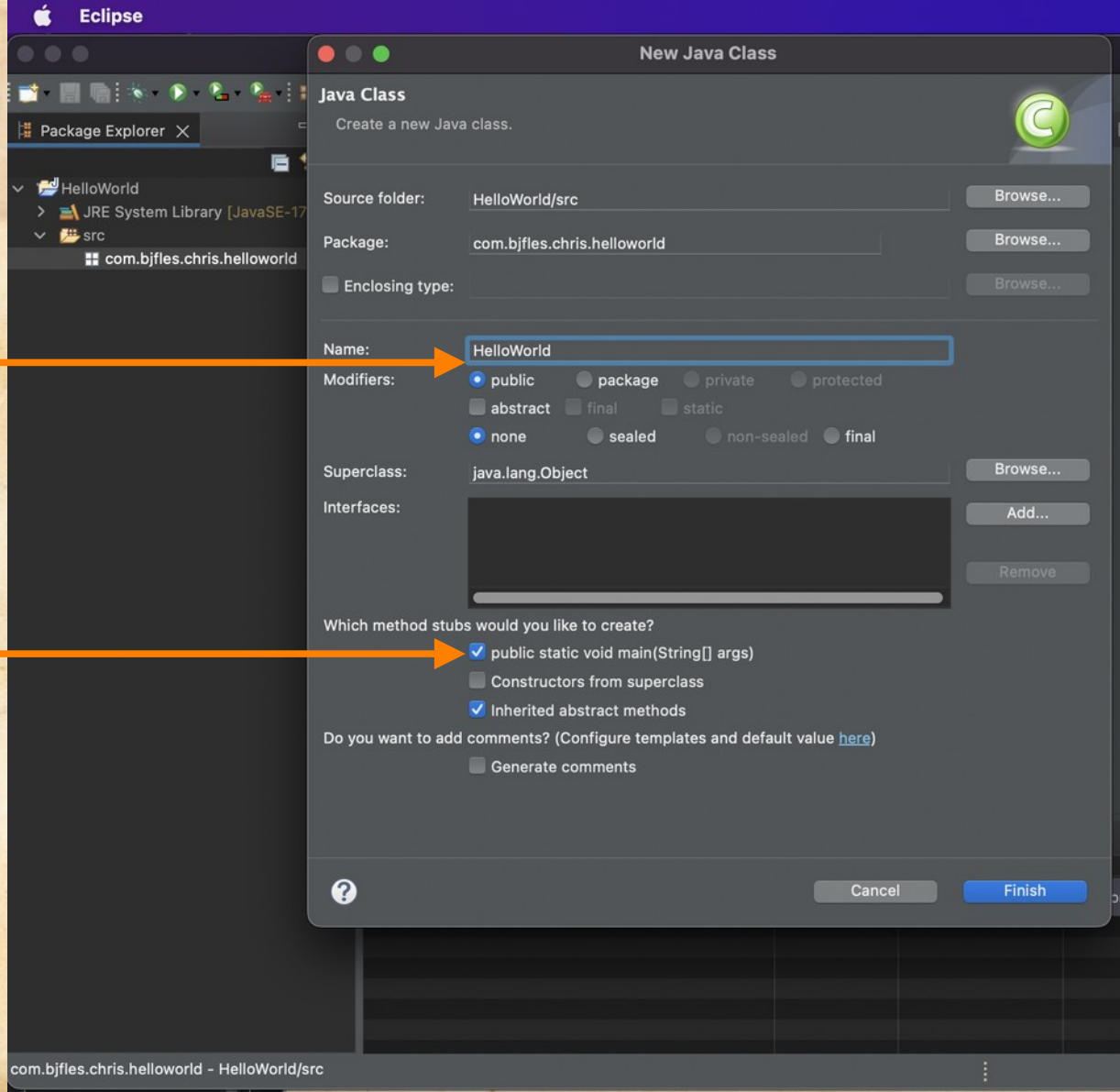
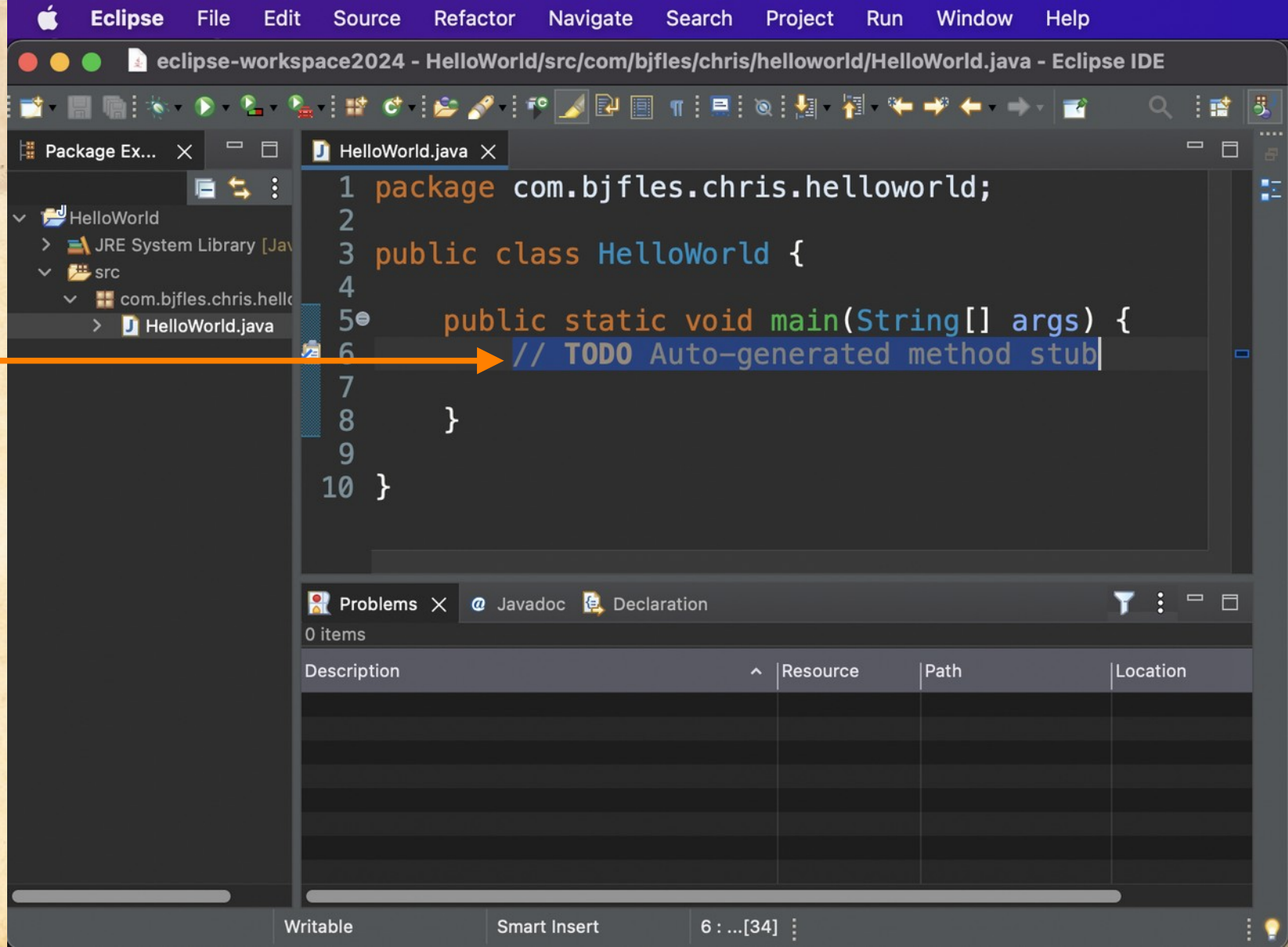
com.bjfles.chris.helloworld - HelloWorld/src

The naming convention for a Java class is ***Pascal Case***, also known as ***upper camel case***.

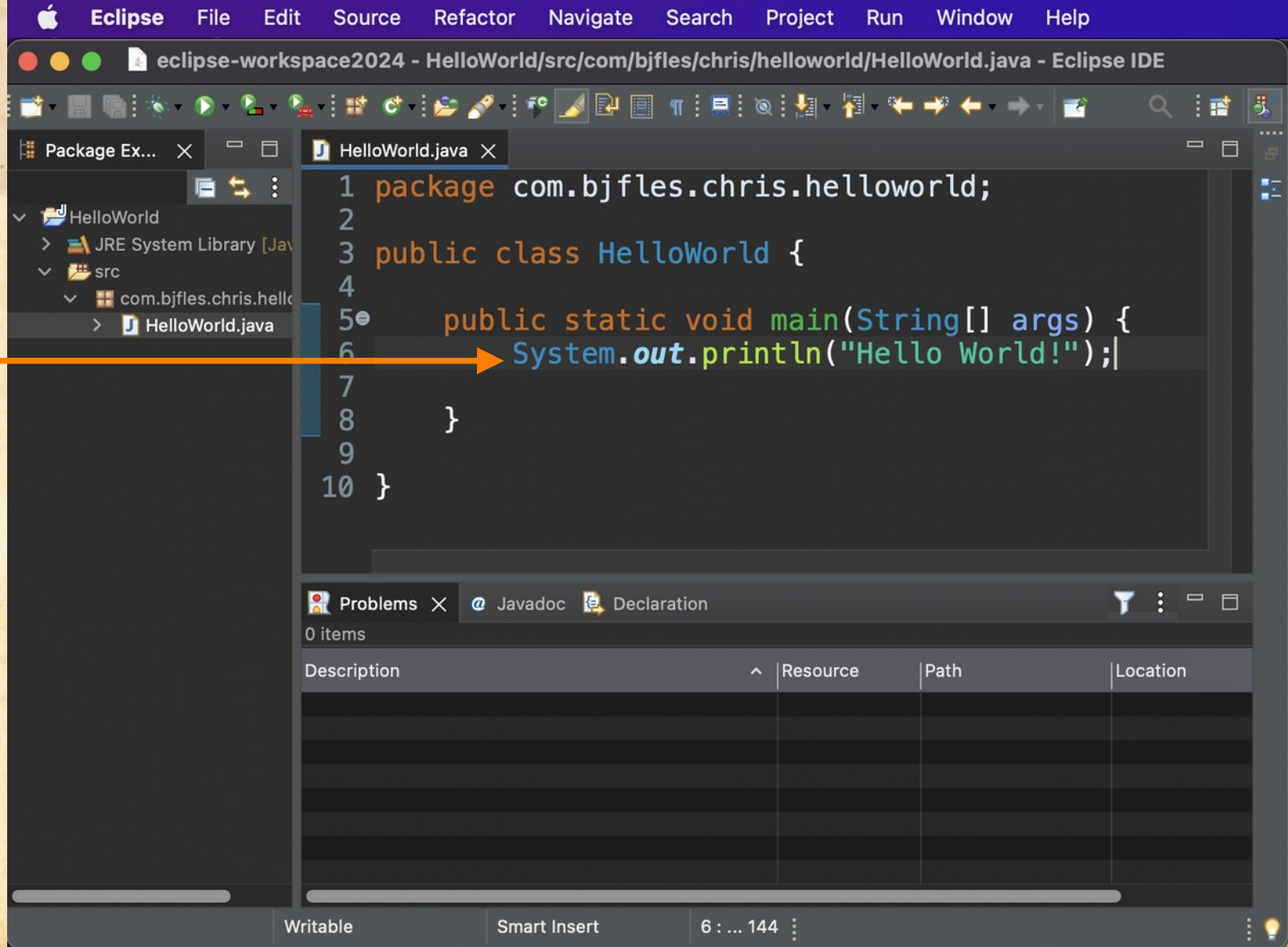
Selecting this will add template code for the **`main`** method, which is where the Java program will start running.



Replace line 6...

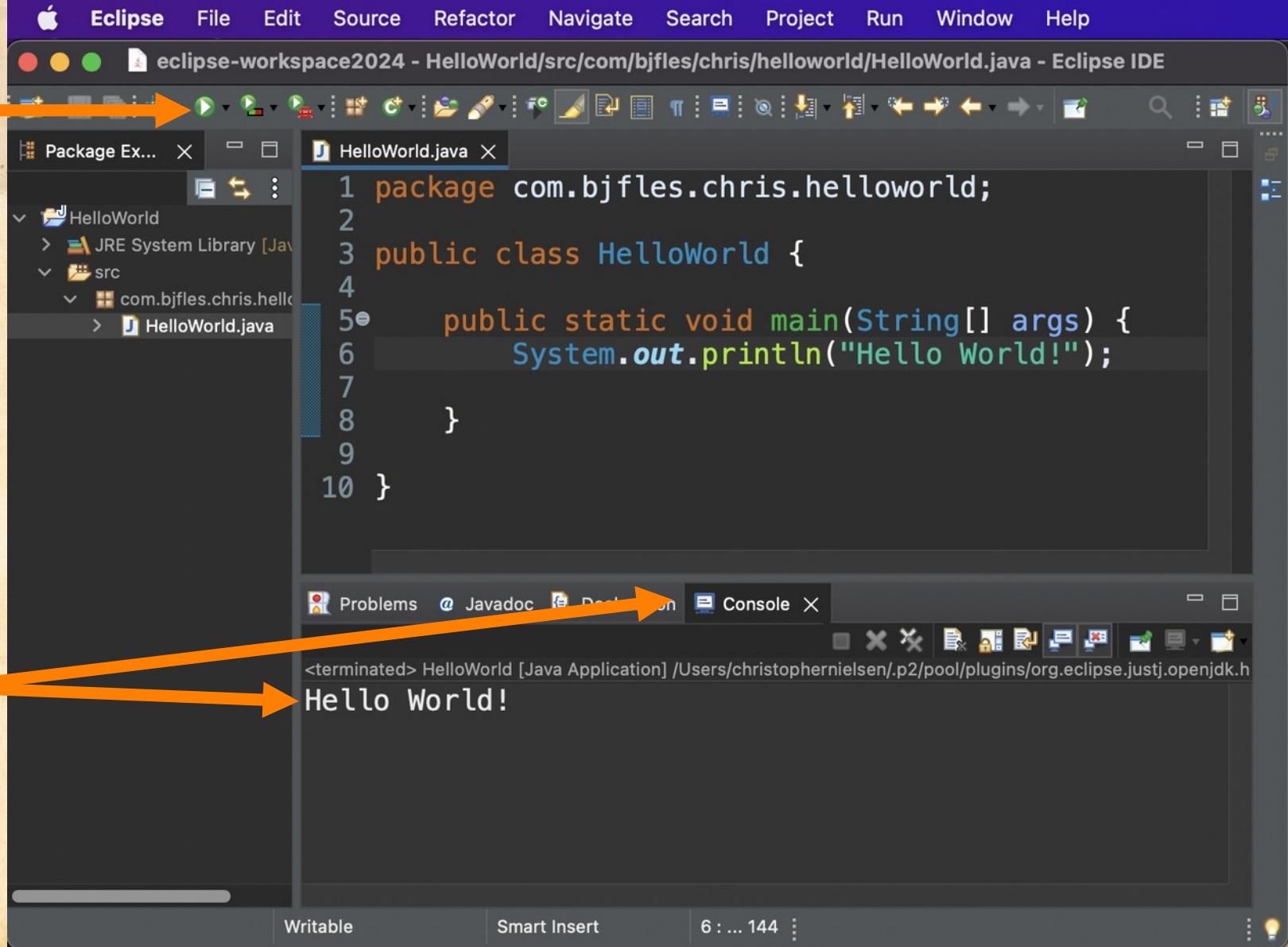


Replace line 6… with this.



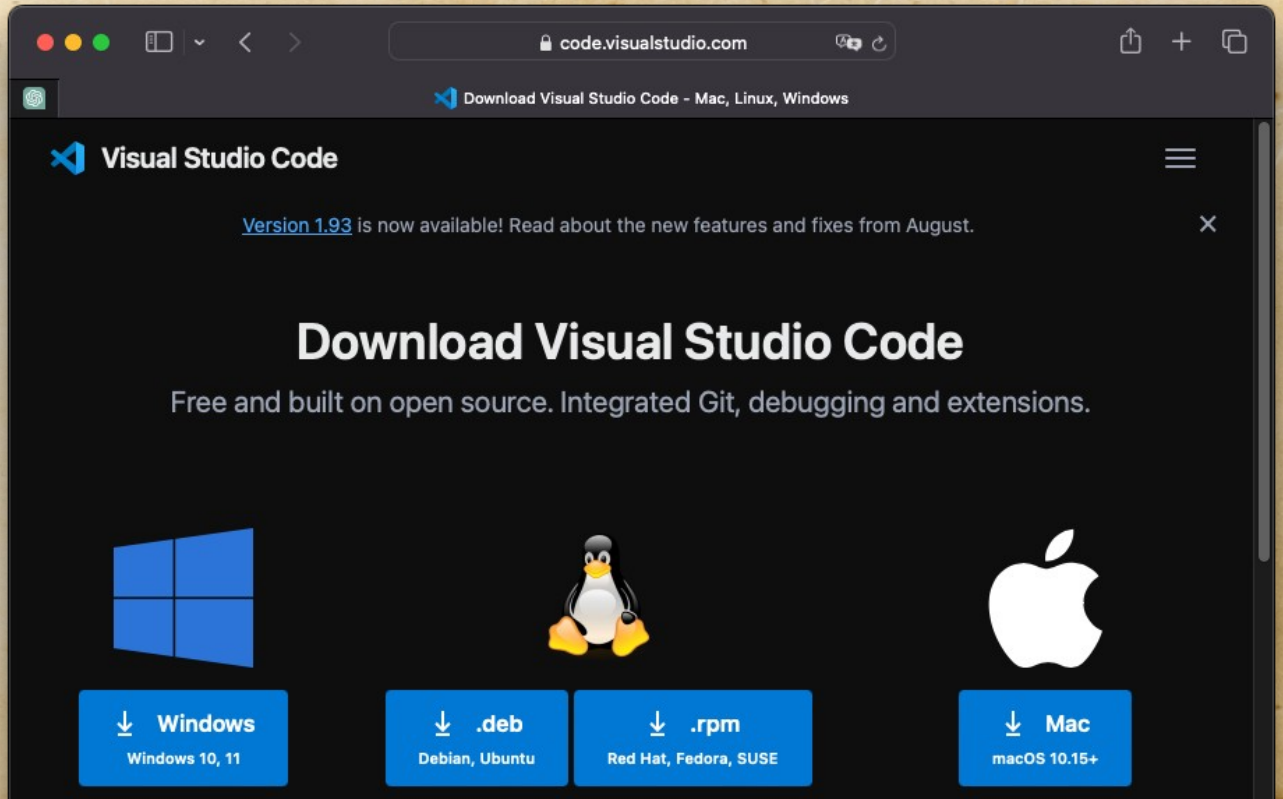
Click here to run.

Check the output in the console.



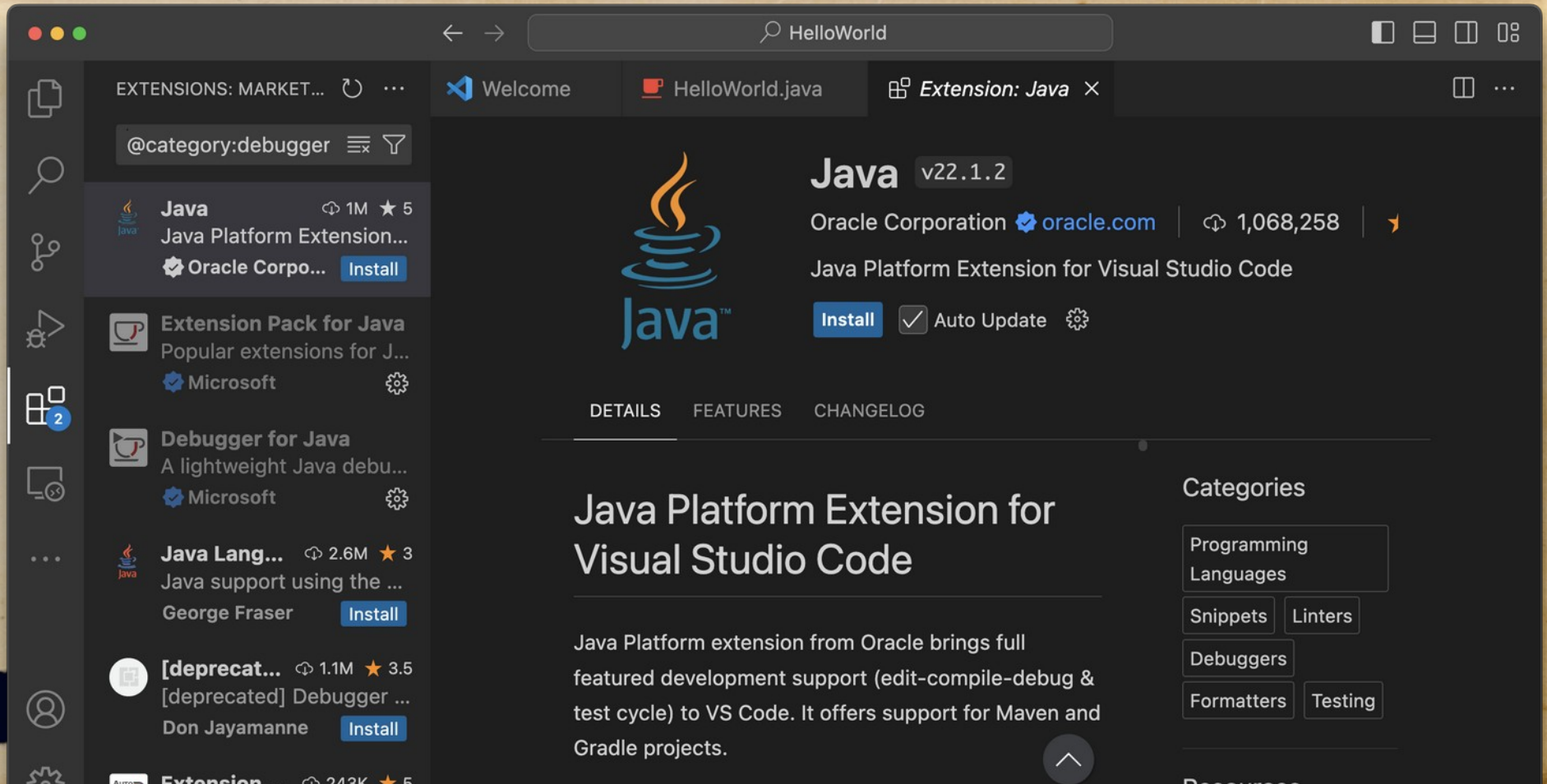
What about VS Code?

- If you downloaded VS Code: ***code.visualstudio.com***



What about VS Code?

You will need to either install the JDK or an extension such as this one:



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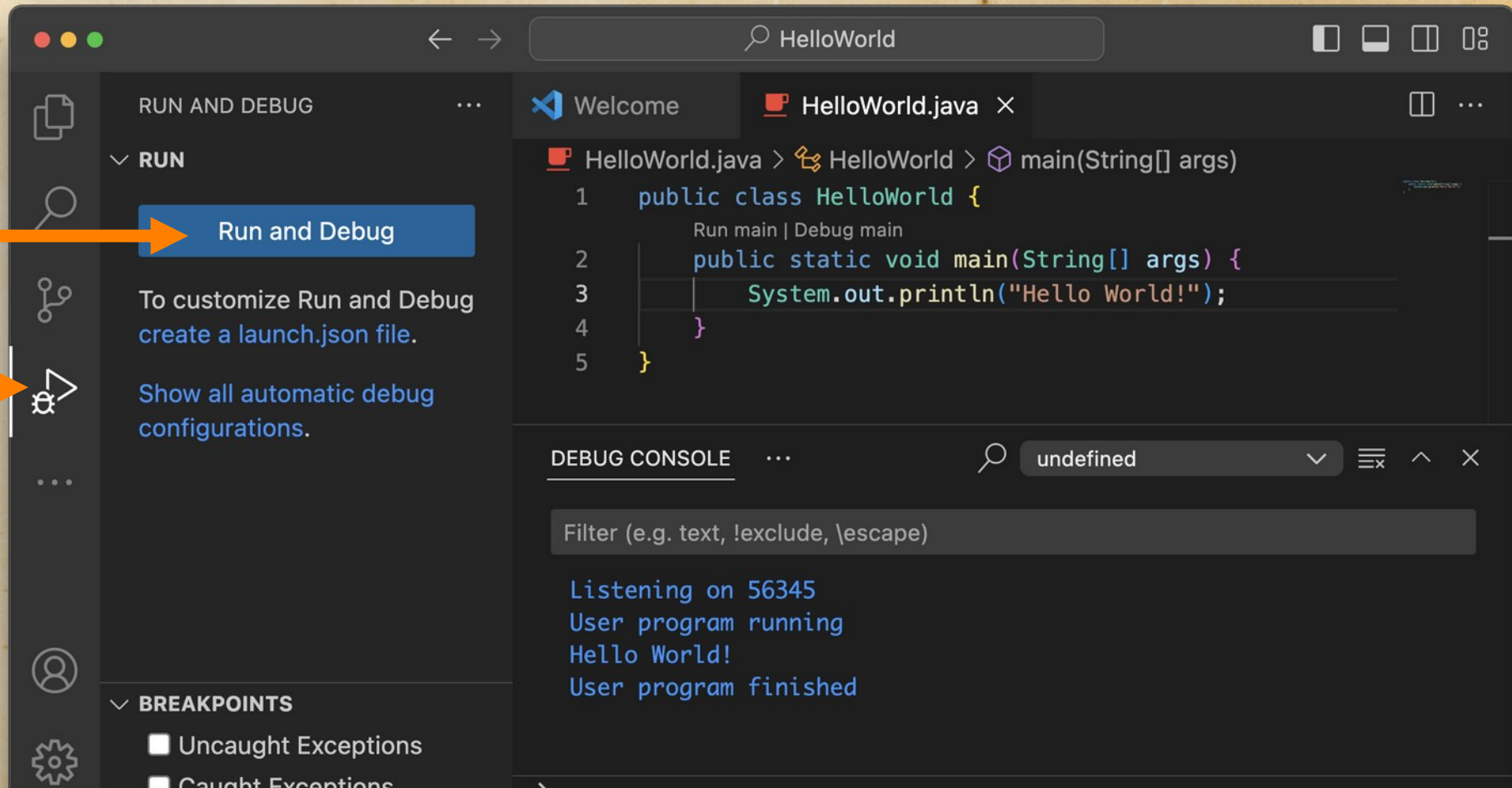

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