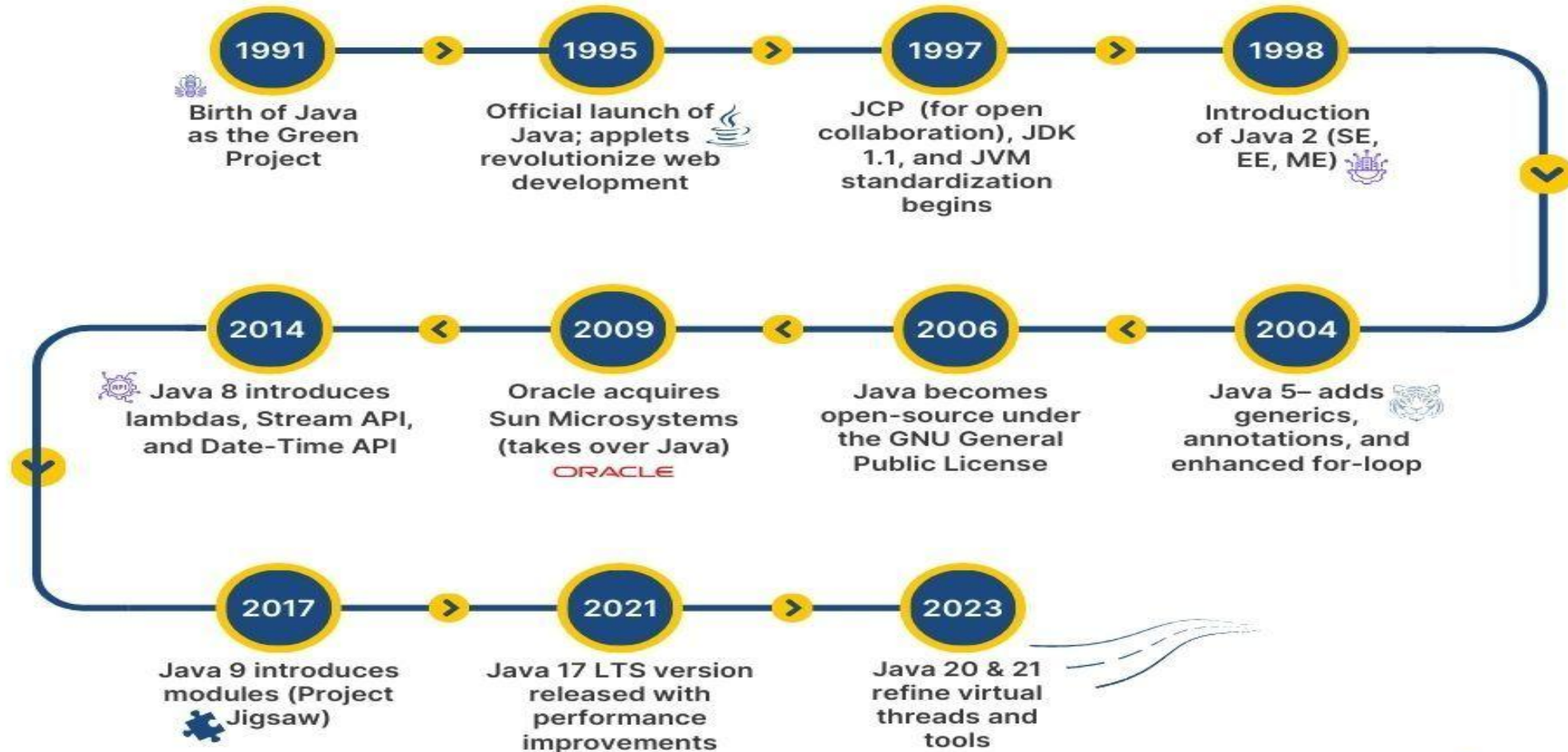


IntelliJ

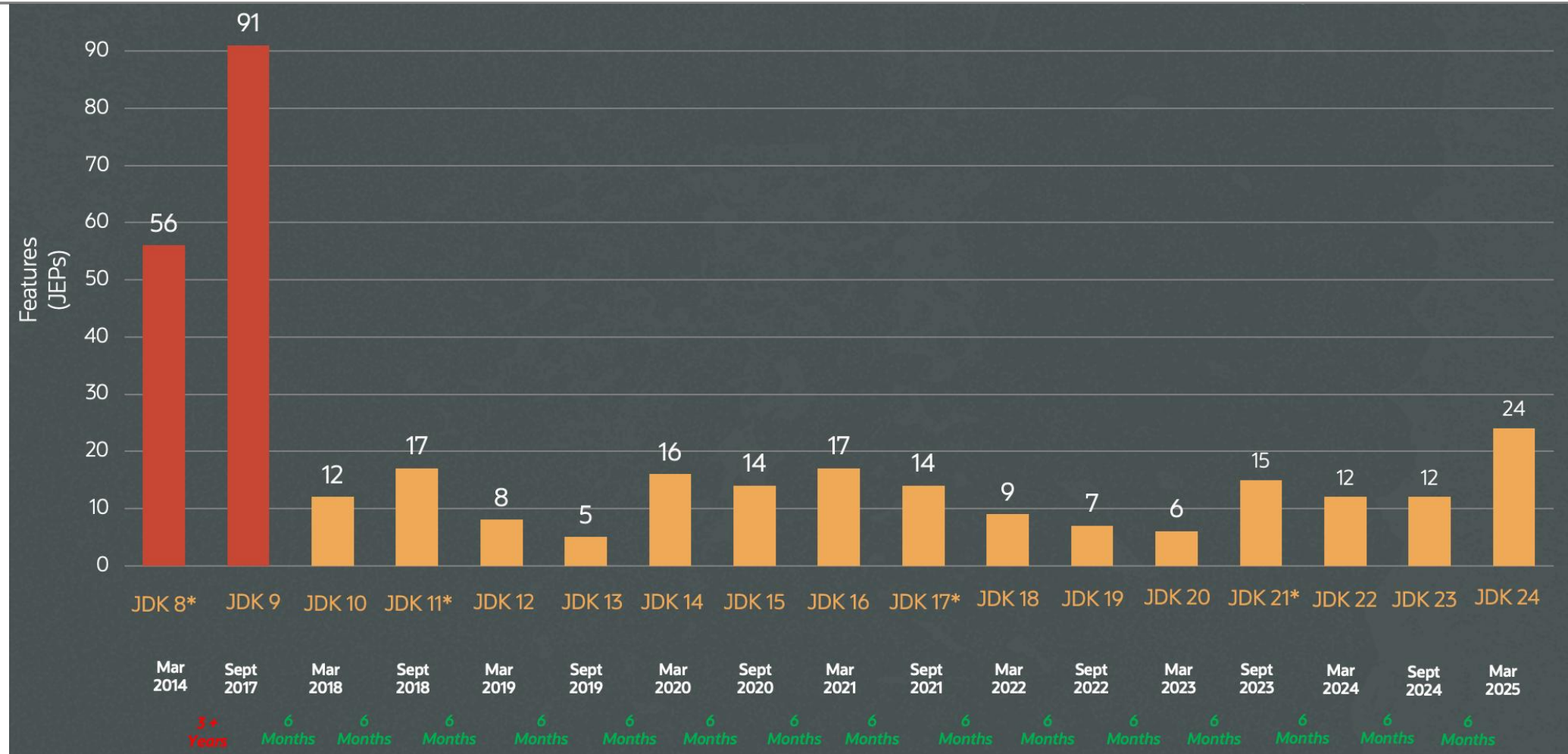
Lets get started in our new IDE

Produced
by: Dr. Siobhán Drohan,
Ms. Mairead Meagher,
Ms. Siobhán Roche.

Timeline– History Of Java



JDK releases – 6 month cycle



What version of JDK should I install?

- The most up to date version that is available
 - Currently Java 25

JDK 25

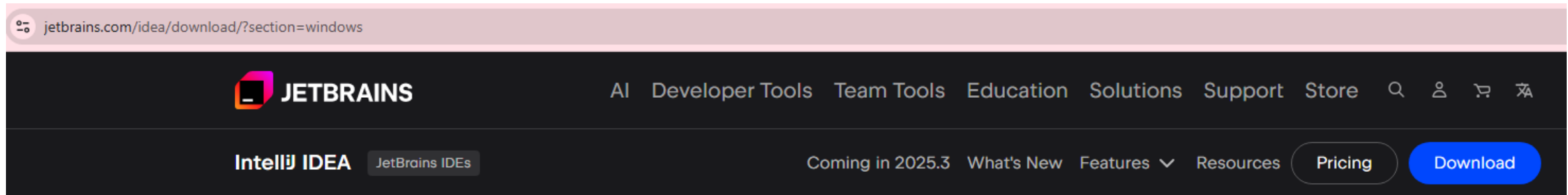
The New Features in Java 25

1	Primitive Patterns	Pattern matching for primitives
2	Compact Sources	Single-file programs with top-level main methods
3	Flexible Constructors	Constructor code before <code>super()</code> or <code>this</code>
4	Structure Concurrency	Simplified concurrent programming
5	Scoped Values	Modern and safe context handling
6	Virtual Threads	Lightweight threads for concurrency
7	Vector API	SIMD-style vector operations
8	JFR Enhancements	Improved monitoring and profiling
9	Key Derivation	Standard cryptographic key derivation

What is an IDE?

- An IDE (Integrated Development Environment) is a software application that bundles all the necessary tools a programmer needs for software development into a single, easy-to-use graphical interface.
- An IDE (Integrated Development Environment) allows you to
 - quickly create applications by combining a source-code editor with the ability to compile and run your code,
 - integration with build, test and debug tools, version control systems, and so on.
 - search and navigate your codebase in ways your file system won't.

IntelliJ - An industry standard IDE



Windows macOS Linux

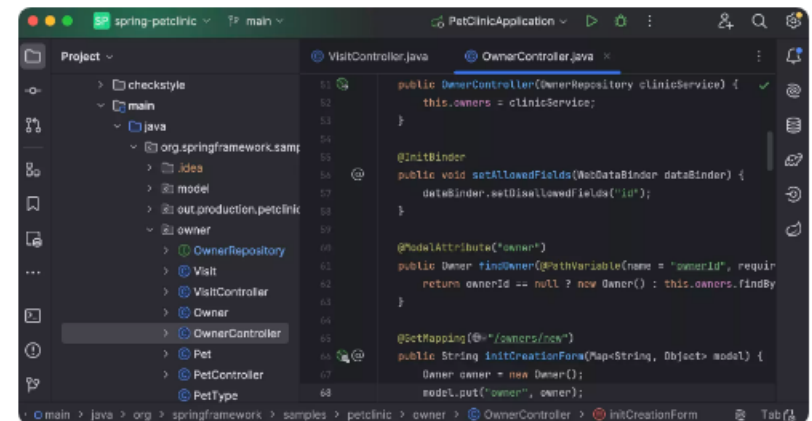
IntelliJ IDEA Ultimate

The Leading IDE for Professional Development in Java and Kotlin

Download

.exe (Windows) ▾

Free 30-day trial



Version: 2025.2.2
Build: 252.26199.169
19 September 2025

[System requirements](#)

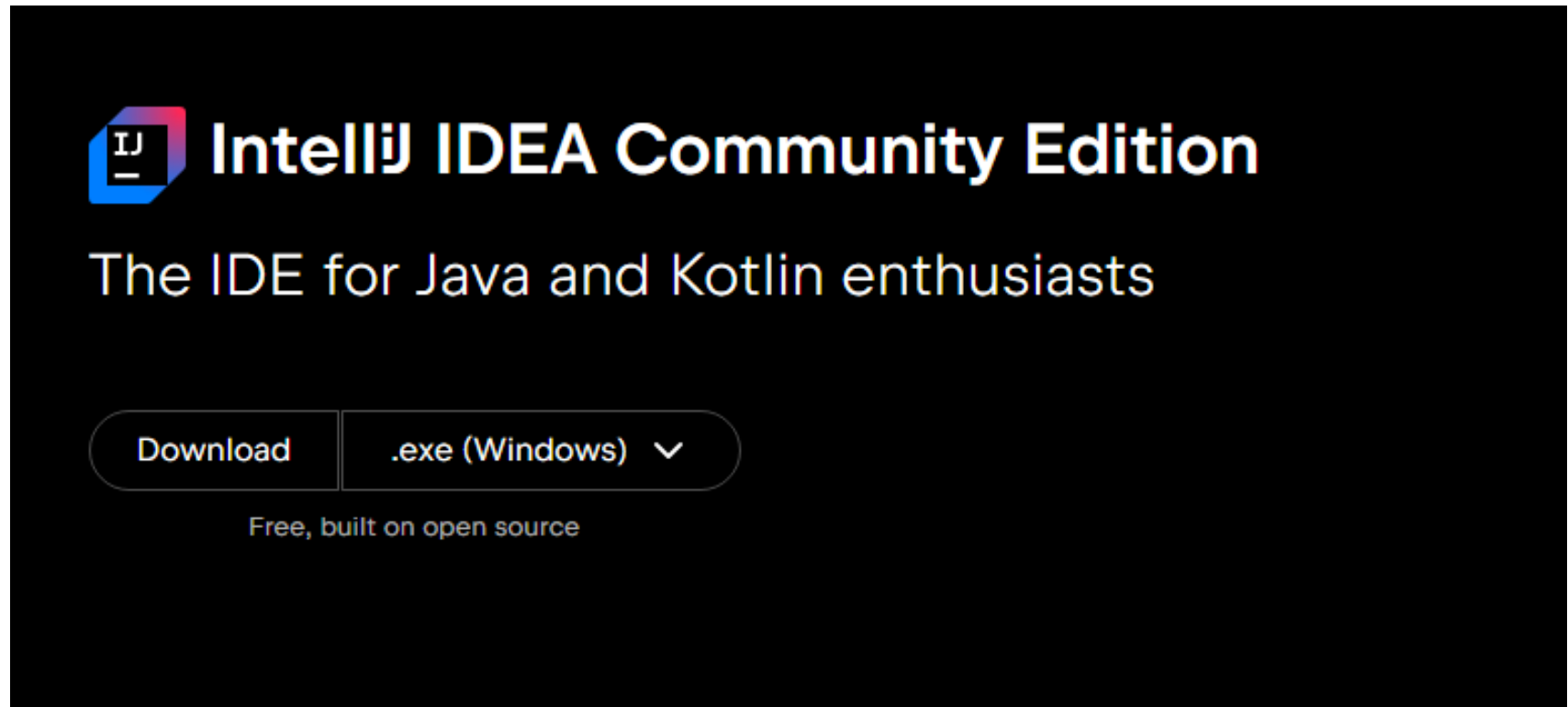
[Installation instructions](#)

[Other versions](#)

[Third-party software](#)

Community Edition

- You can scroll past the Ultimate version, and choose the free Community Version

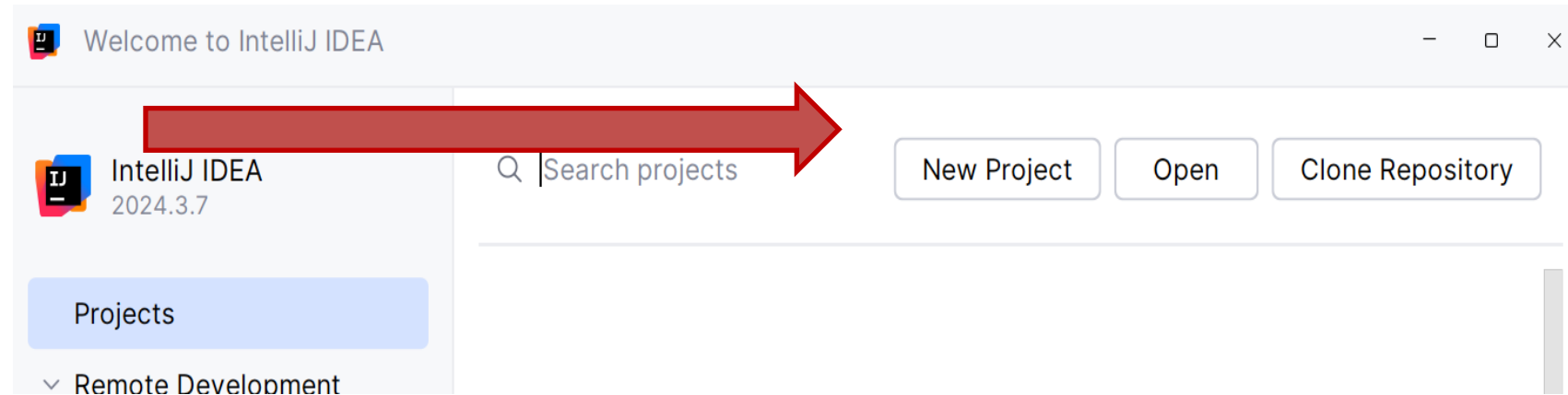


Hello World

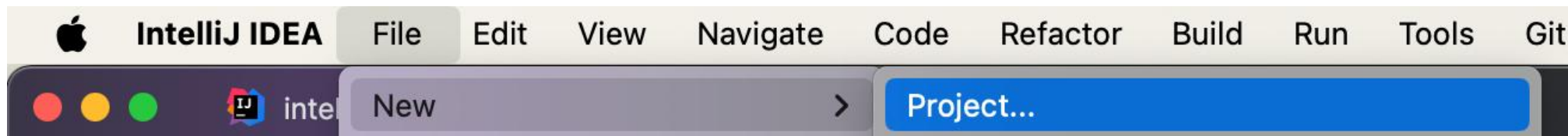
IntelliJ

Launch IntelliJ

We can create a new project from the **Welcome** screen,



or we can go to **File | New | Project** in the main menu.



New Java Project

The screenshot shows the 'New Project' dialog in IntelliJ IDEA. The 'Java' option is selected under the 'New Project' section. The 'Generators' section lists various project templates. The 'Name' field is set to 'HelloWorld'. The 'Location' field is set to '~\IdeaProjects\week1'. The 'JDK' field is set to '23 Oracle OpenJDK 23.0.1'. The 'Add sample code' checkbox is checked. The 'Create' button is highlighted with a red arrow.

name → HelloWorld

location → ~\IdeaProjects\week1

Jdk version → 23 Oracle OpenJDK 23.0.1

Create → Create

Project will be created in: ~\IdeaProjects\week1\HelloWorld

☐ Create Git repository

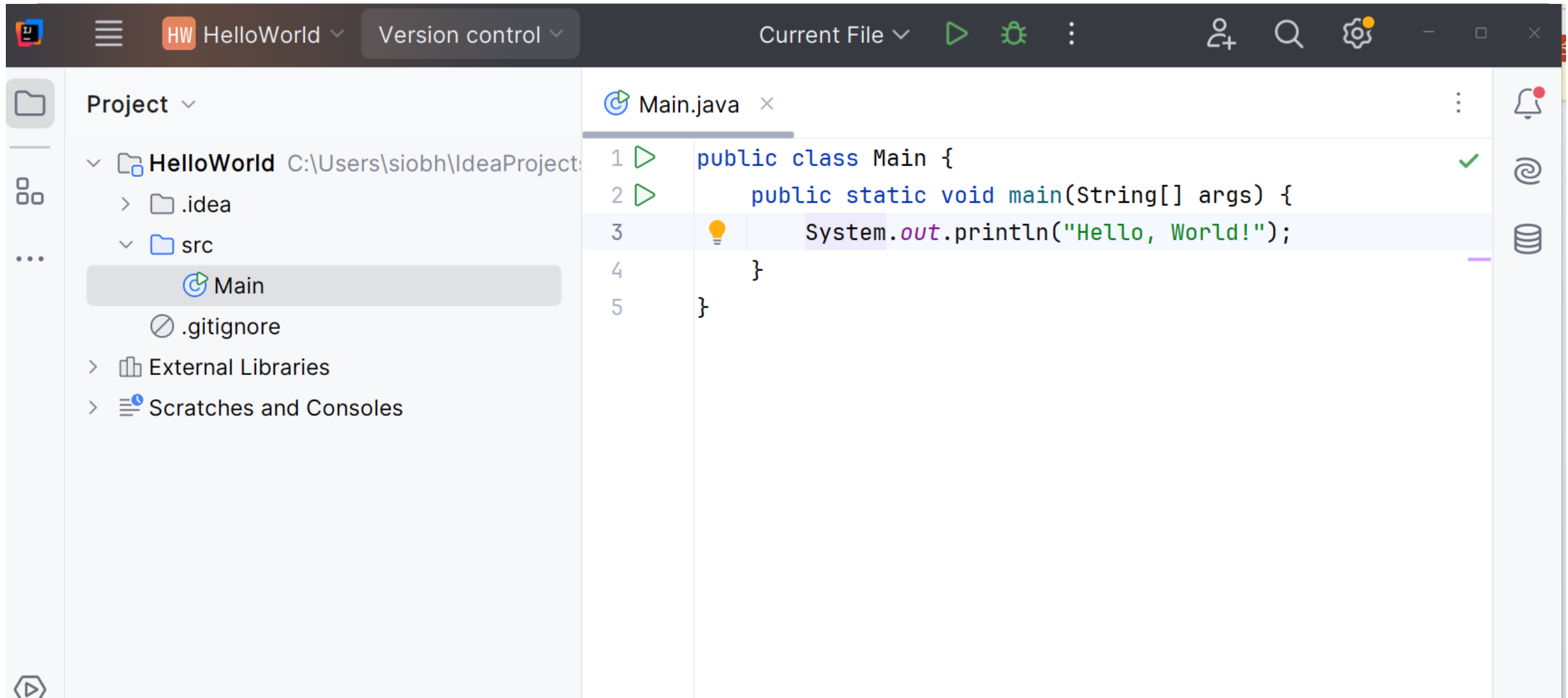
Build system: IntelliJ Maven Gradle

☒ Add sample code

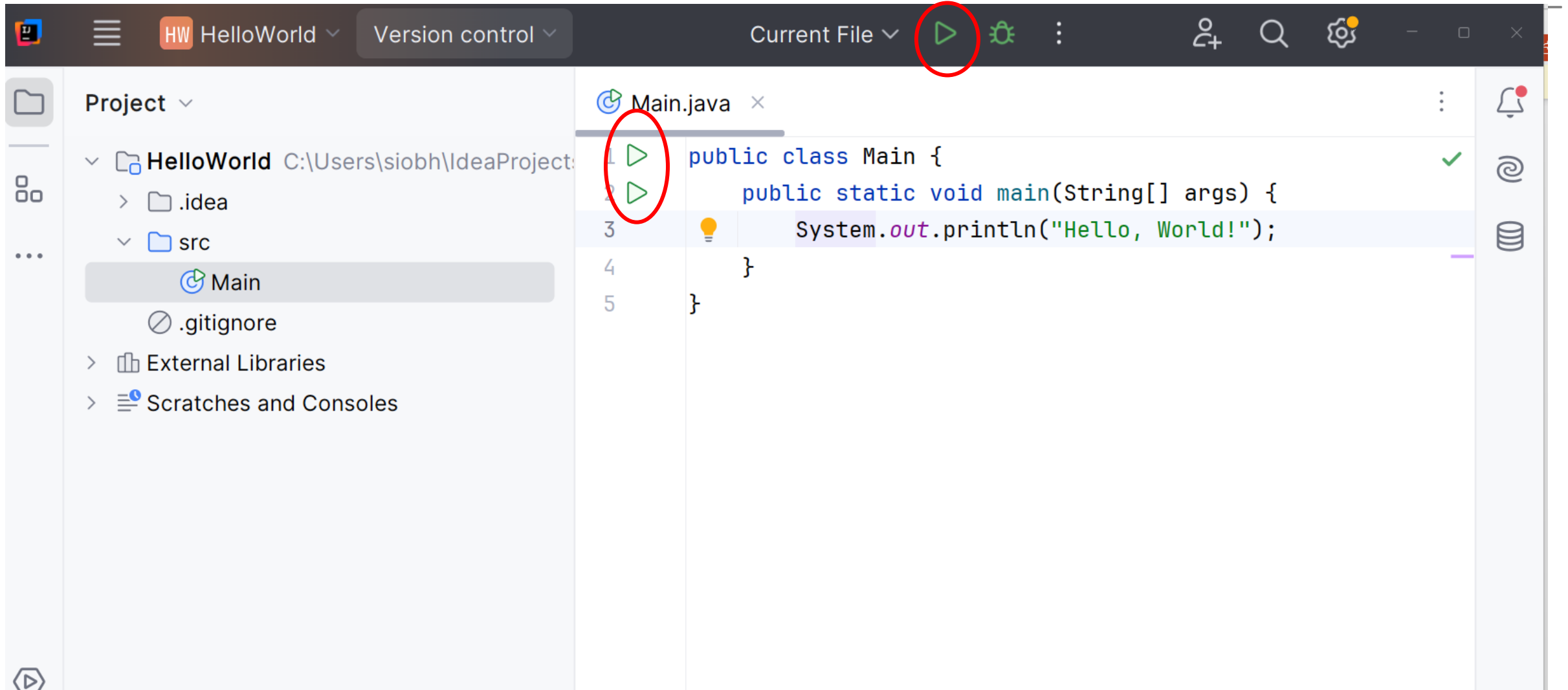
☐ Generate code with onboarding tips

> Advanced Settings

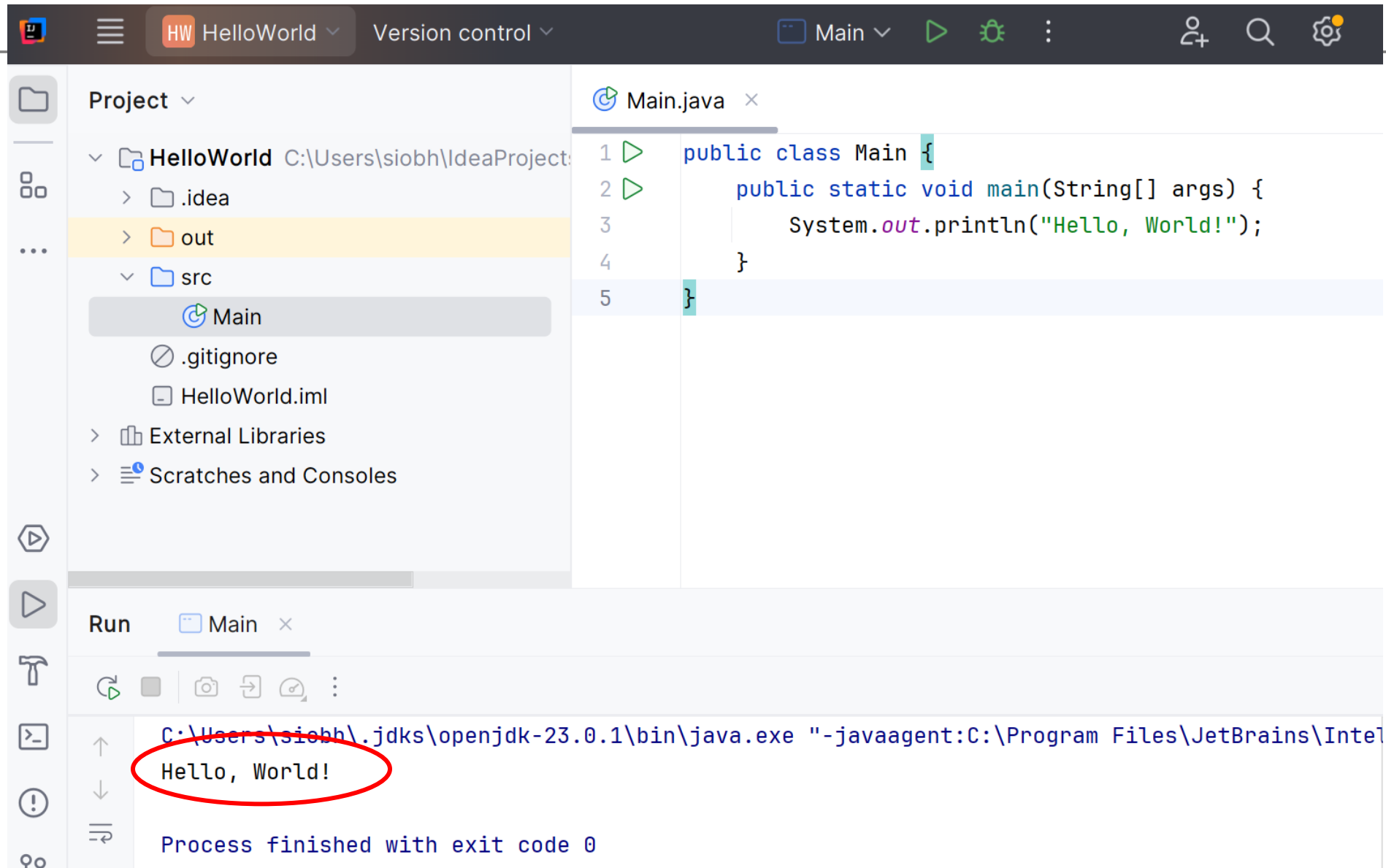
New Project – main method

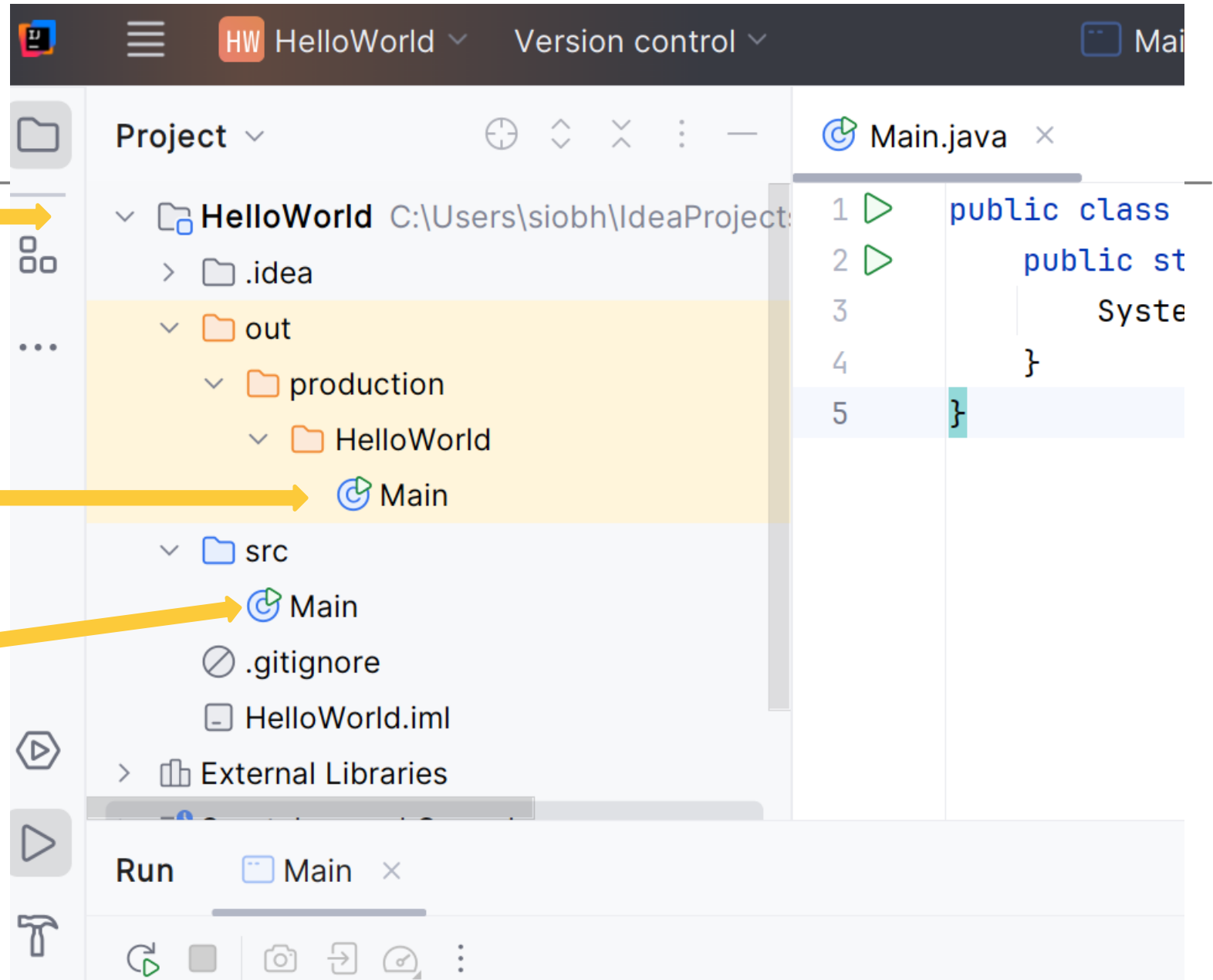


Run app



Console output





Lets get coding!

IntelliJ

Questions?

