

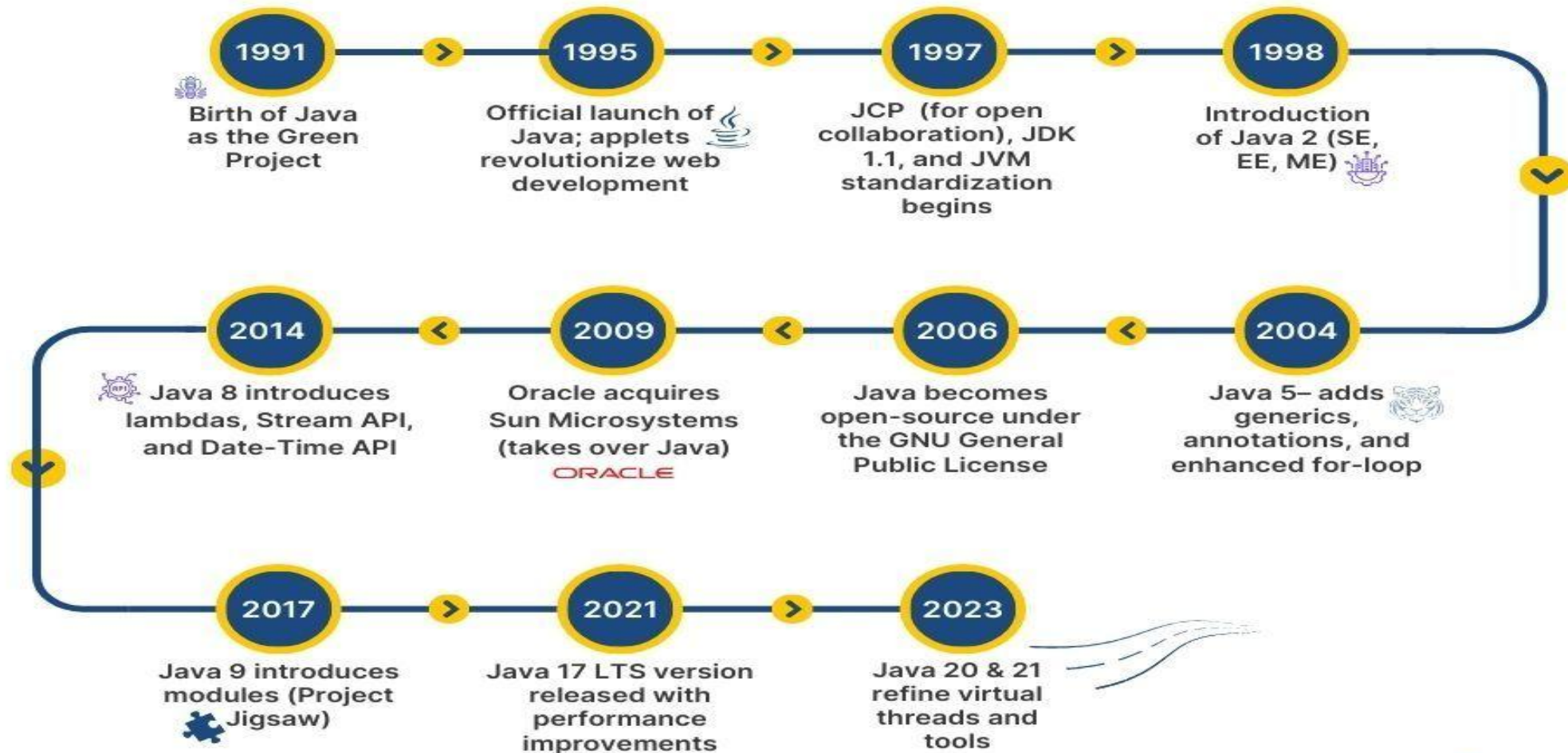
# IntelliJ

Lets get started in our new IDE

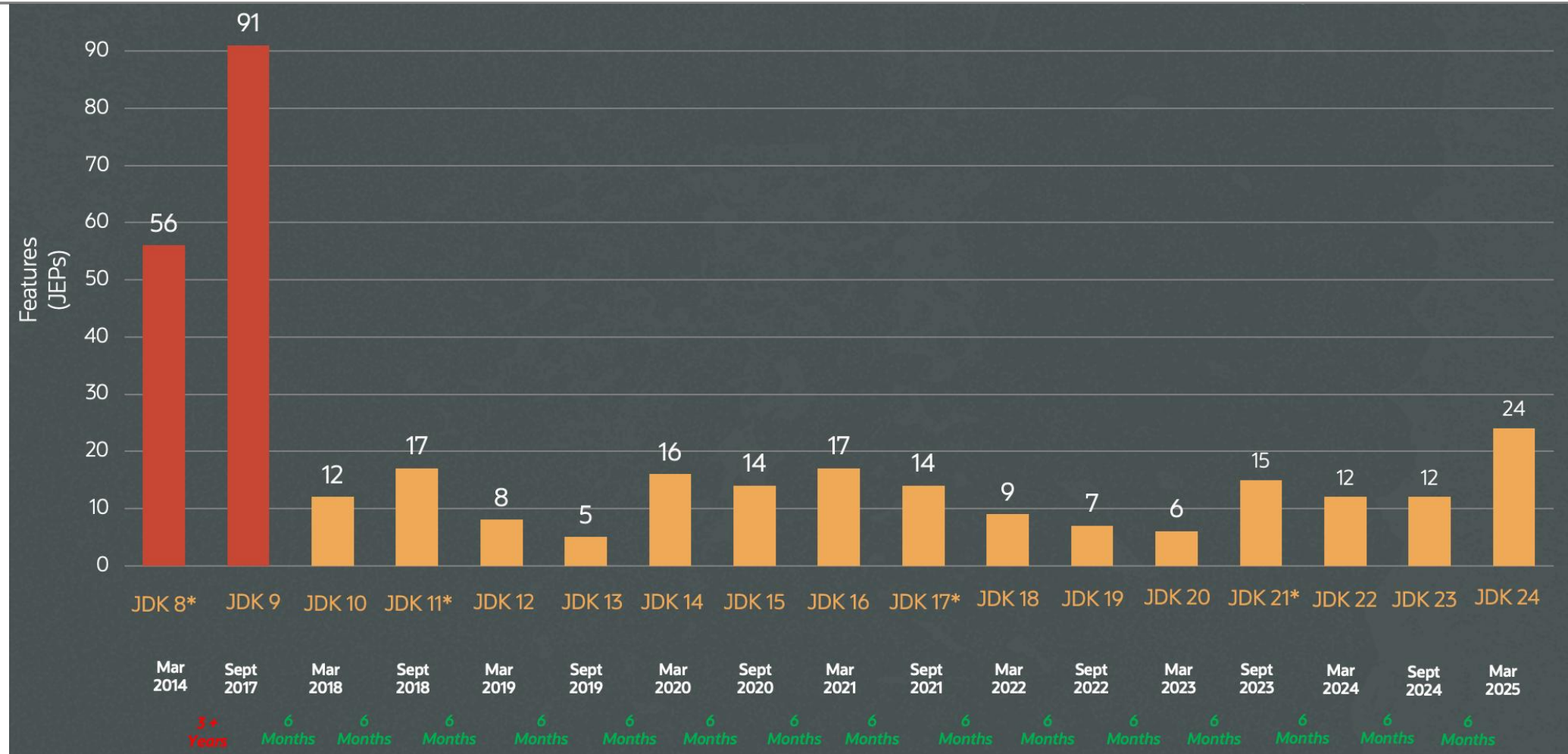
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# Timeline– History Of Java



# JDK releases – 6 month cycle



# What version of JDK should I install?

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

## JDK 25

### The New Features in Java 25

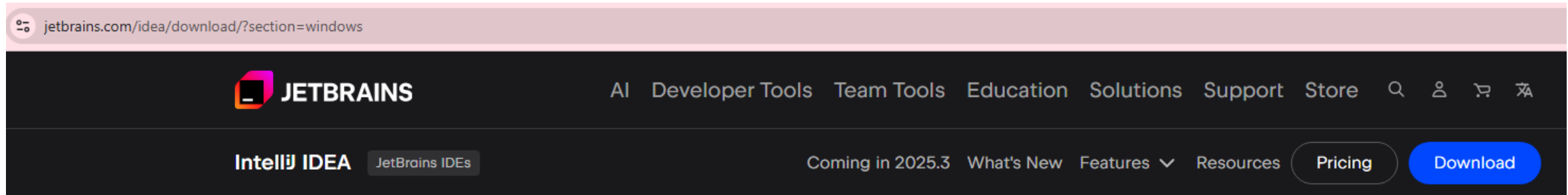
1	<b>Primitive Patterns</b>	Pattern matching for primitives
2	<b>Compact Sources</b>	Single-file programs with top-level main methods
3	<b>Flexible Constructors</b>	Constructor code before <code>super()</code> or <code>this</code>
4	<b>Structure Concurrency</b>	Simplified concurrent programming
5	<b>Scoped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

# What is an IDE?

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- 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

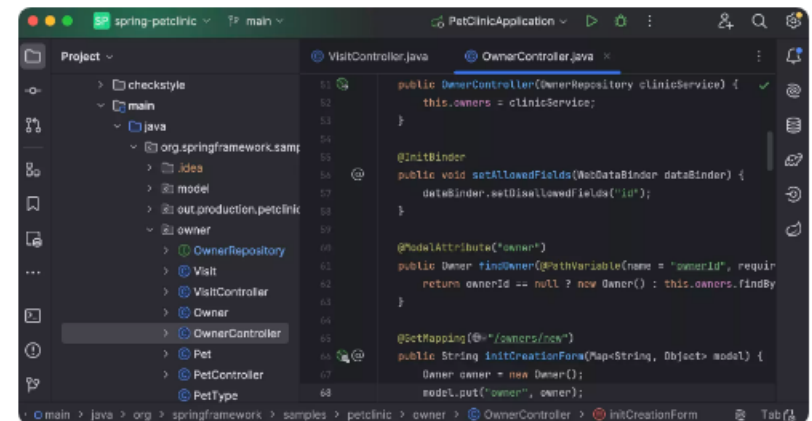
## IntelliJ IDEA Ultimate

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](#)

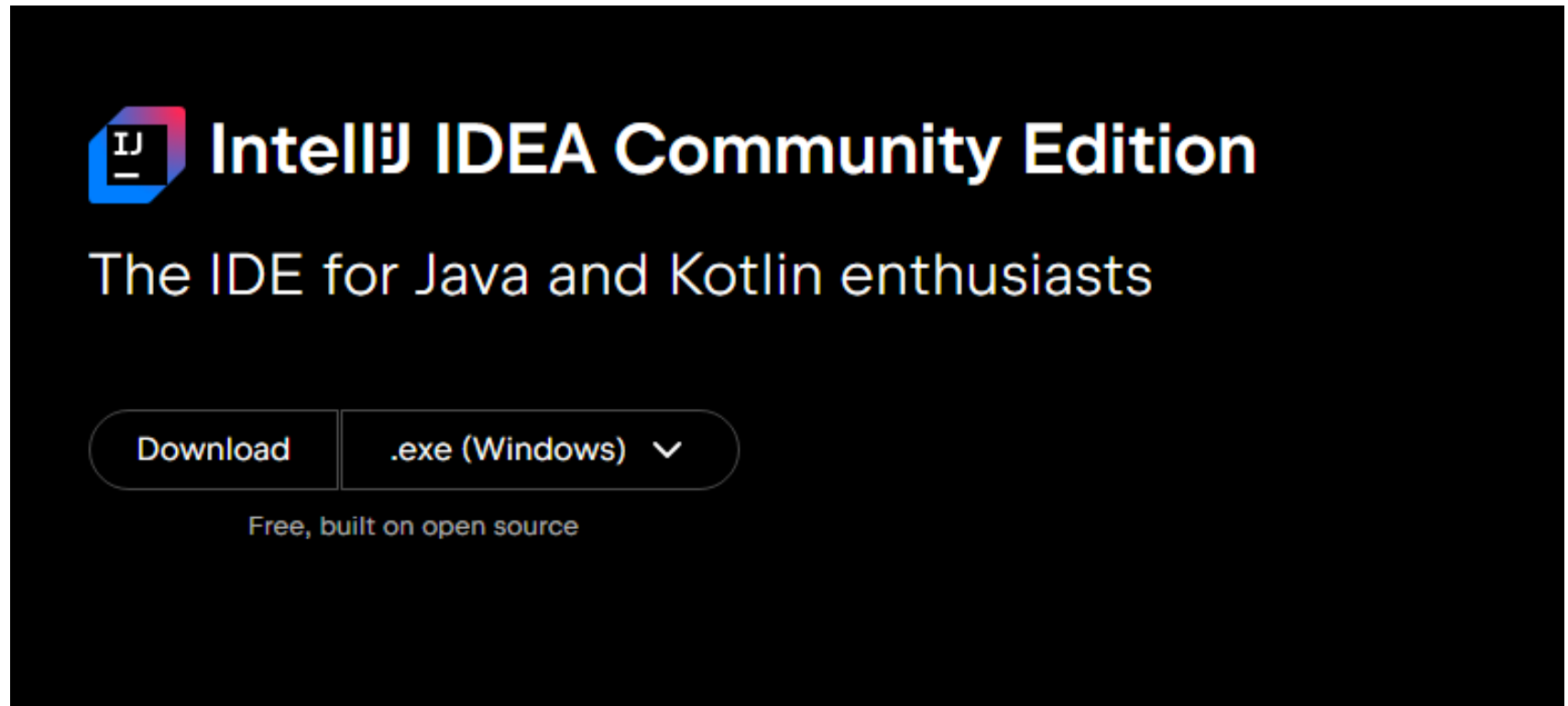
[Other versions](#)

[Third-party software](#)

# Community Edition

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



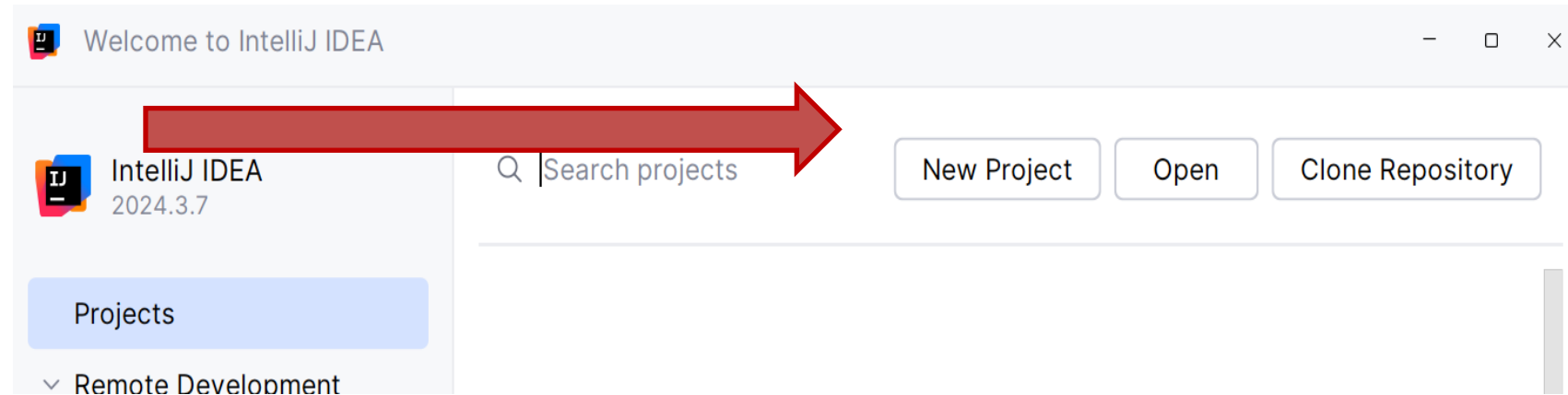
# Hello World

IntelliJ

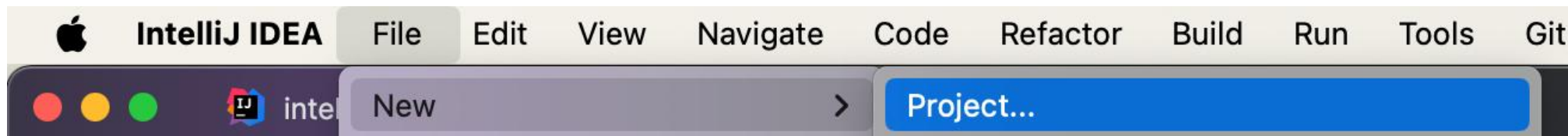


# Launch IntelliJ

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 'Build system' is set to 'IntelliJ'. The 'Add sample code' checkbox is checked. The 'Create' button is highlighted with a red arrow.

**name** → HelloWorld

**location** → ~\IdeaProjects\week1

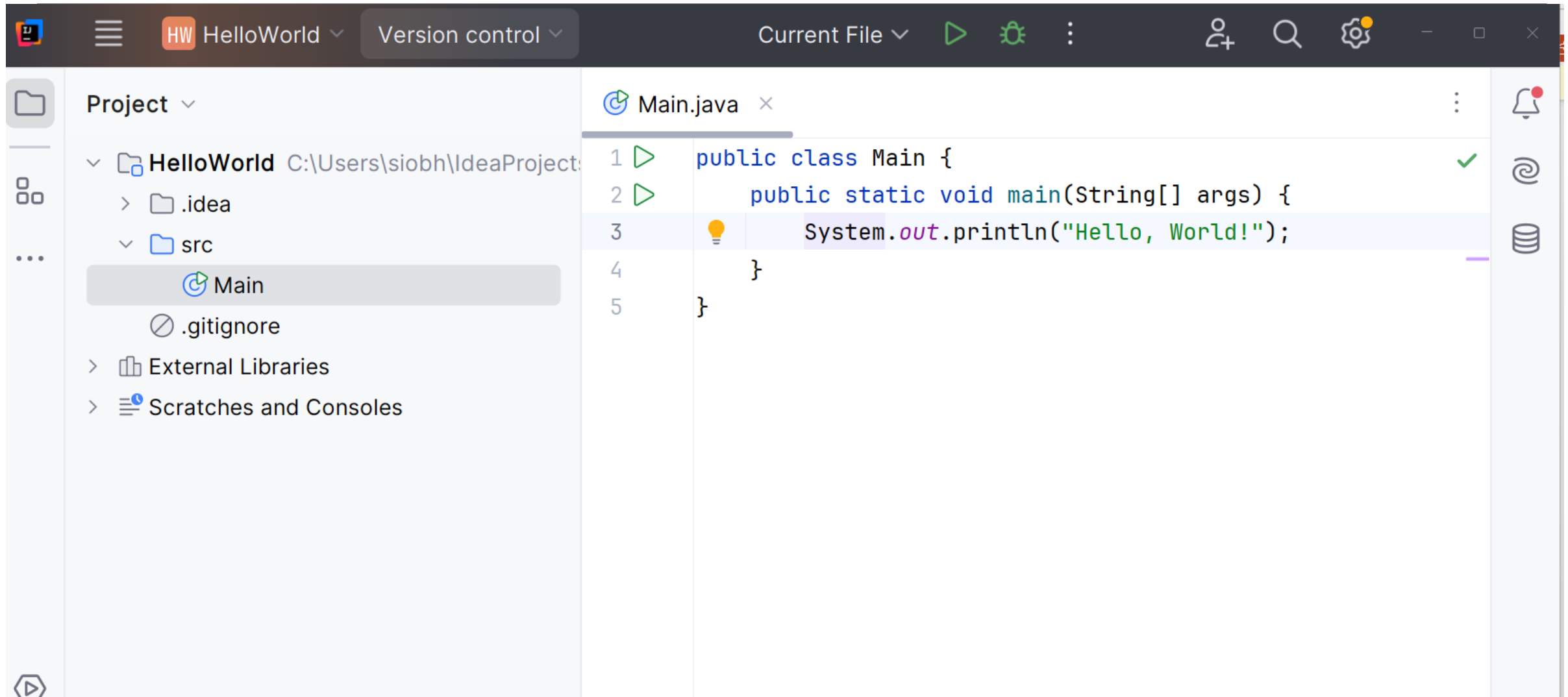
**Jdk version** → 23 Oracle OpenJDK 23.0.1

**Create** → Create

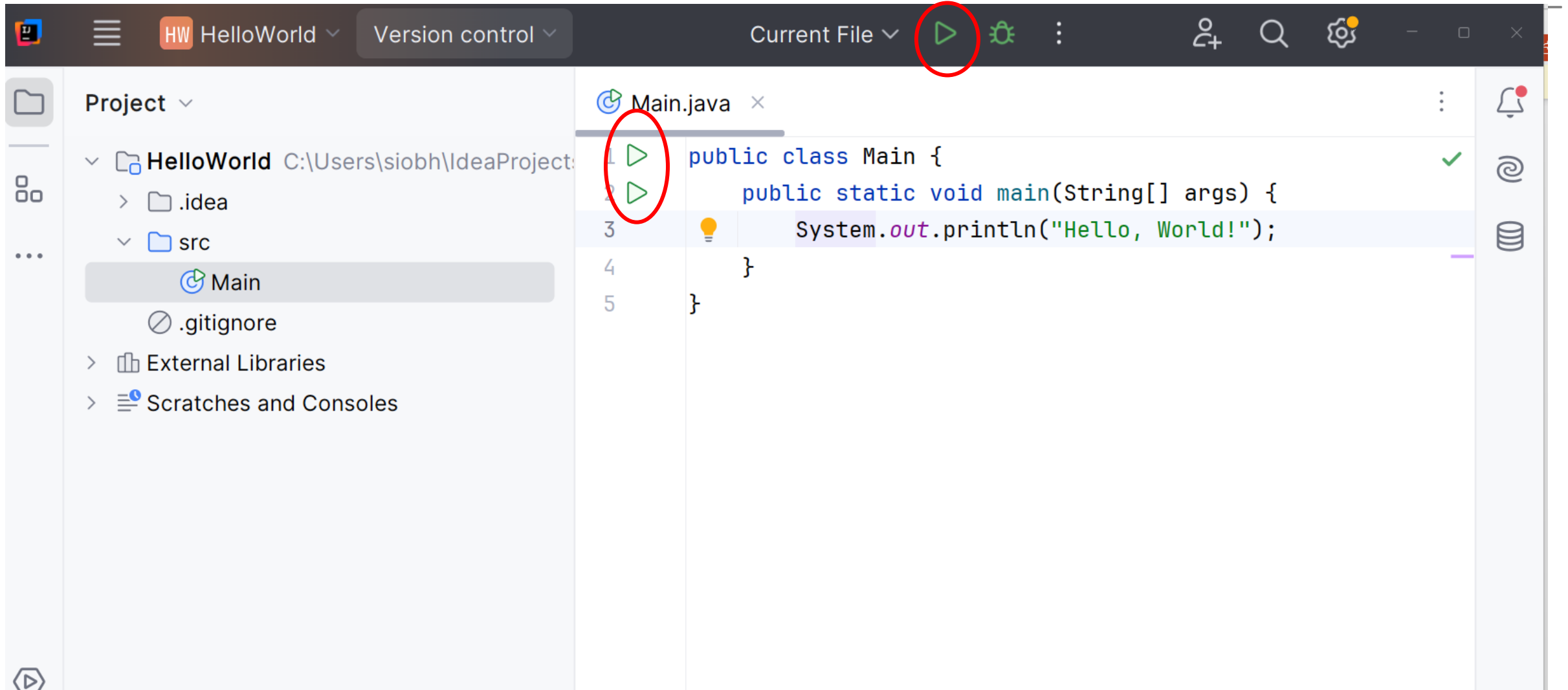
**Generators**

- Maven Archetype
- Jakarta EE
- Spring Boot
- JavaFX
- Quarkus
- Micronaut
- Ktor
- Compose Multiplatform
- HTML
- React
- Express
- Angular CLI

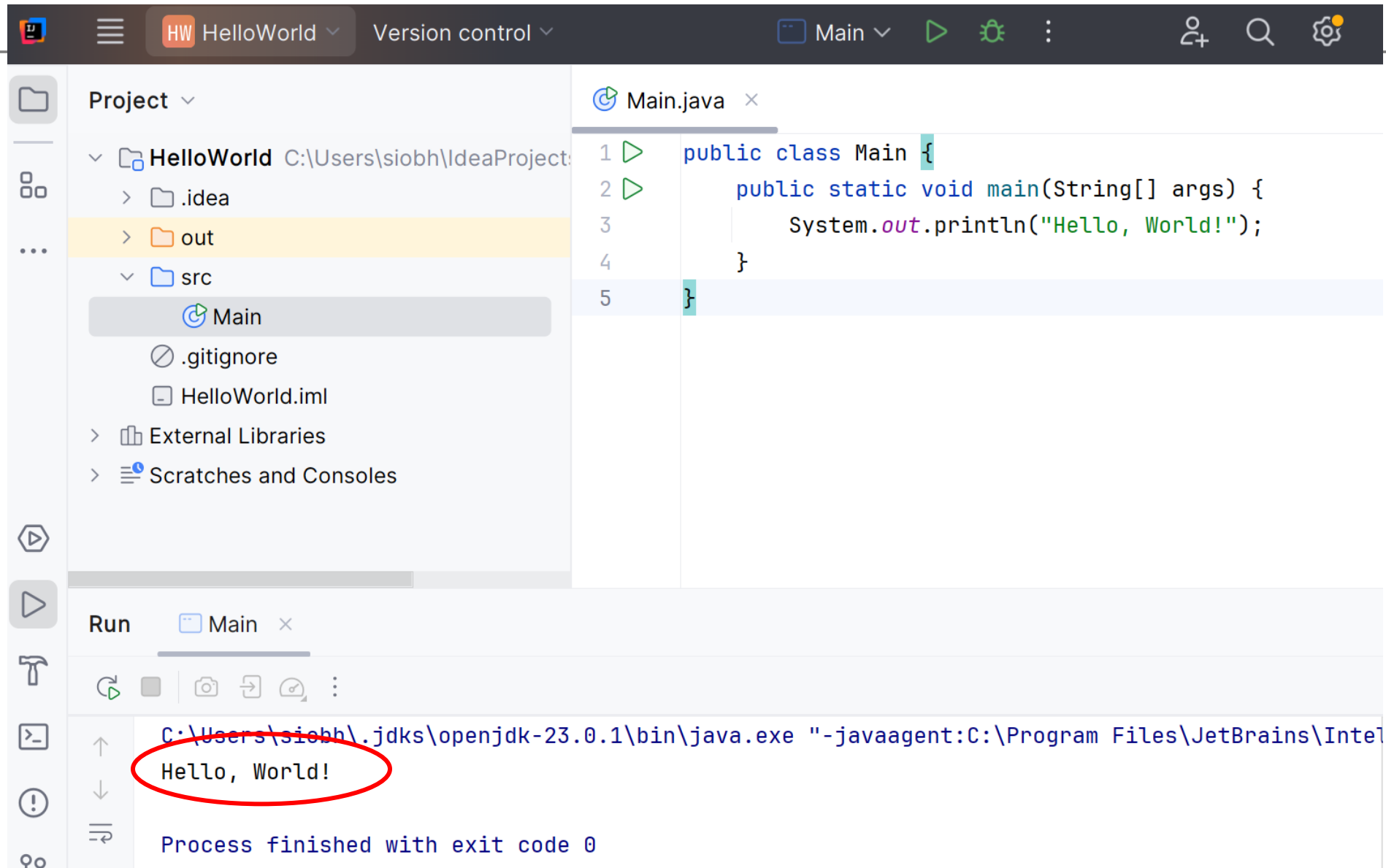
# New Project – main method

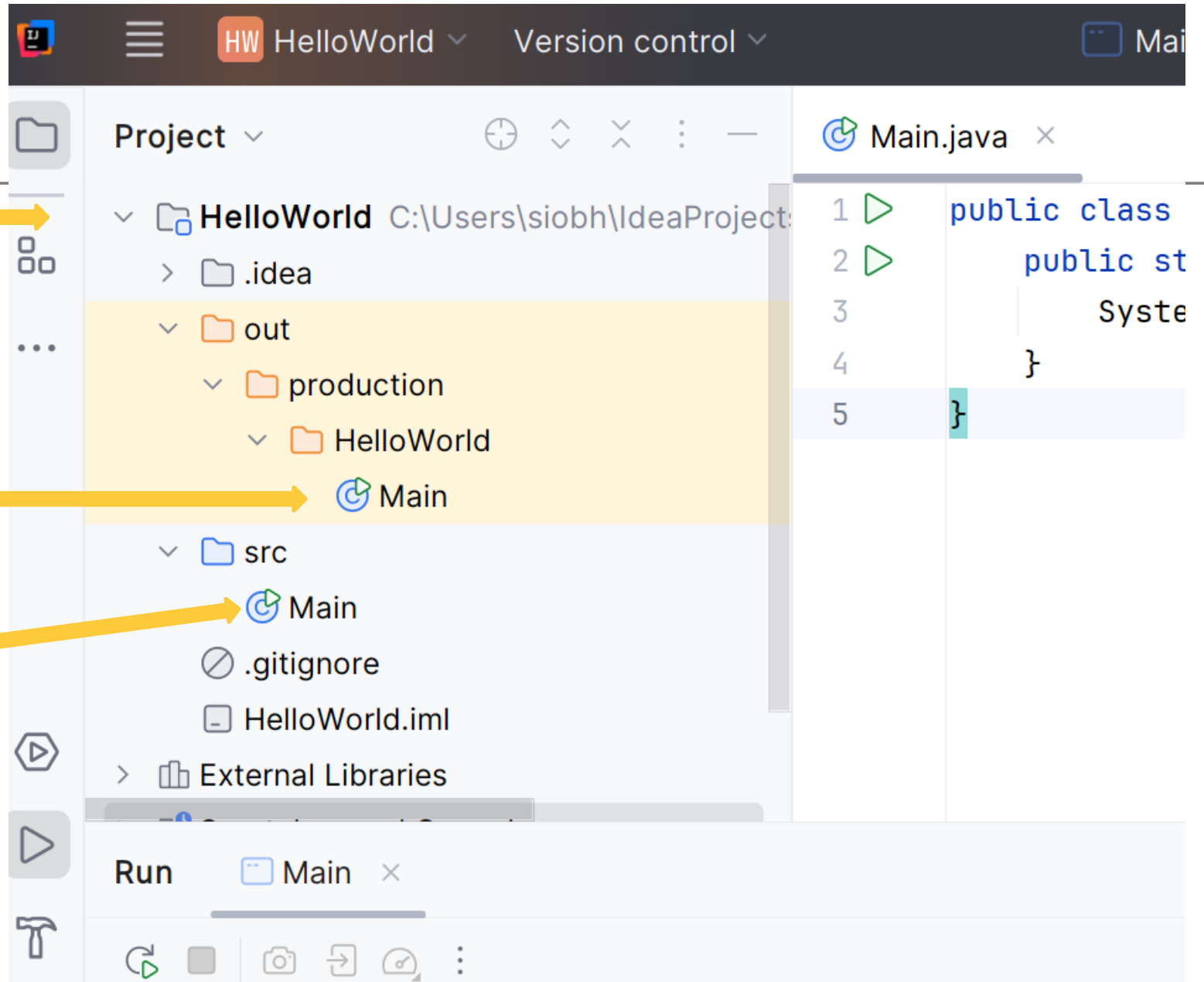


# Run app



# Console output





# Questions?

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