

Book Code

The source code accompanying *Reinforcement Learning Explained* is available on GitHub:

<https://github.com/relexp>

The GitHub organization contains two repositories:

- **relexp-java** — the Java implementation of the examples in the book.
- **relexp-python** — the Python implementation of the examples in the book.

Downloading the code

Open the repository for the programming language you want to use. You can then either:

- select **Code** → **Download ZIP**, or
- clone the repository using Git.

For Java:

```
git clone https://github.com/relexp/relexp-java.git
```

For Python:

```
git clone https://github.com/relexp/relexp-python.git
```

Code structure

The code is organized mainly by **book chapter**, making it easier to locate the implementation related to a particular part of the book. Some general-purpose components are shared between chapters.

Each repository also contains a **runner folder** with executable files used to run the examples, simulations, plots, and other demonstrations presented in the book. Supporting code is typically separated into areas such as domain models, factories, algorithms, and plotting or visualization utilities.

The code has been structured with general **clean-code principles** in mind. Where appropriate, the implementation follows **SOLID principles**, with an emphasis on small and focused classes and functions, clear responsibilities, meaningful names, limited coupling, and reusable components. The intention is to keep the code easy to read and modify while still making the reinforcement learning concepts as transparent as possible.

More detailed information about the structure and how to run individual examples is available in the documentation included in each repository.

Java requirements

The Java examples require **Java 19 or later**.

The code was developed using **IntelliJ IDEA** and **Maven**, but other Java development environments can also be used.