



Course Material for Mastering Threads

The course material for our Mastering Threads Course on 11-12 February 2021 is available from a private git repository:

URL: **<https://www.javaspecialists.eu/git/safari/masteringthreads-1913.git>**

Username: **safari1913**

Password: **xYIpghF+**

The repository contains the exercises, solutions and slides in the "master" branch, plus the code written by the instructor during the course in the "kabutz" branch. In order to get the most out of the course, we recommend that you clone the repository to your local disk. Please do not share this course material or push it to a public repository.

⚠ Note: The https URL is only meant to be accessed via git and not via your browser. If you do try to connect to the URL, you will get a **404 Page Not Found** error. Instead use your IDE or the git command ``git clone URL`` in a terminal or command prompt to clone the repository (details below).

This repository will remain accessible after the course is completed in case you would like to review it at a later date. For further help, please contact heinz@javaspecialists.eu.

Recommended setup:

- [Java Development Kit \(JDK\) 15](#)
- [IntelliJ IDEA 2020.2](#)

Minimum setup:

- [JDK 11](#)
- [git](#)

Detailed Instructions

1. Download and install the JDK. We recommend Azul Zulu at

<https://www.azul.com/downloads/zulu-community/?package=jdk>

We recommend the latest JDK as we will see the newest language features during the course.

2. Download and install the latest free IntelliJ IDEA at

<https://www.jetbrains.com/idea/download/>

Either the Community or Ultimate edition will work. Another IDE may be used if you are already familiar with it. However, we might not be able to help you with setup issues if you get stuck.

3. Clone the repository:

- 3.1. In IntelliJ, use the menu: **File -> New -> Project from Version Control**
Paste in the URL, choose a Directory then complete the dialog.

- 3.2. If you use Eclipse, use the menu: **File -> Import...**

In the dialog which follows, accept the defaults except for:


- Choose Git -> Projects from Git (with smart import)
- Paste in the Clone URI, User and Password
- Select the master branch
- Choose a Directory

- 3.3. You can also clone from the command line by downloading git from

<https://git-scm.com/downloads/>

Then issue this command in a terminal or command prompt, supplying the username and password when prompted:

```
git clone https://www.javaspecialists.eu/git/safari/masteringthreads-1913.git  
Username: safari1913  
Password: xYIpghF+
```

 We recommend that you use step 3.1 if using IntelliJ IDEA so that the settings in the *.ipr* file will be used.

4. In IntelliJ, go to **File -> Project Structure** and set the Project SDK. If you are using another IDE, set the project compiler appropriately.
5. If the project does not compile, add JUnit4 to the build by adding the contents of the lib directory to the project as Libraries.