

IntelliJ IDEA Manual

This manual briefly describes the basic usage functionalities of IntelliJ IDEA, which you will need in order to run the MapReduce code in this hands-on session. First, download IntelliJ IDEA Community edition <https://www.jetbrains.com/idea/download/>, and install it following the instructions specific to your operating system.

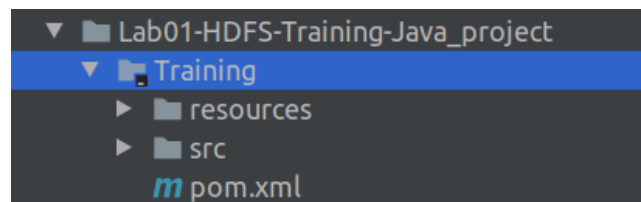
Important note: Although we provide IntelliJ instructions here, the provided project works as well with other IDEs that support Maven functionalities (e.g., Eclipse).

Loading a project

After you unzip the Java project zip we provided you with has the content is as follows:

- **resources** – a directory containing files you will need during the session (e.g., external schemas, datasets, etc.).
- **src** – a directory containing the source code
- **pom.xml** – a configuration file for Apache Maven, which contains the dependencies of the project. Maven will automatically download all external libraries that the project requires.

To load a project, click **Open** and select the root folder of the project as follows (note the root folder has an special icon):



IntelliJ IDEA will load the project. Make sure the *Import Maven projects automatically* option is set in case dependencies are not downloaded automatically (you can find this menu in **File / Settings**).

Running programs

In order to run the different exercises you will need to create *Run Configurations*, which will drive the execution of the **Main** method. To create one, on the top-right corner, click *Add Configuration*. Click the **+** button, and select *Application*.

In the main class you need to select the one corresponding to the project at-hand. In *Program arguments* you can specify specific parameters required by the exercises.

