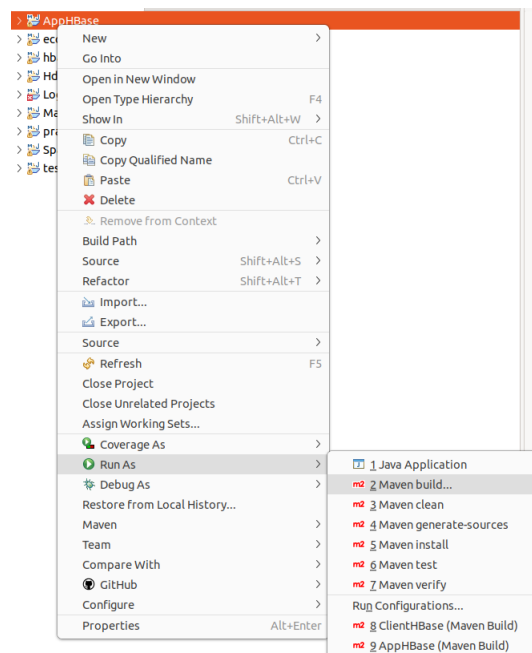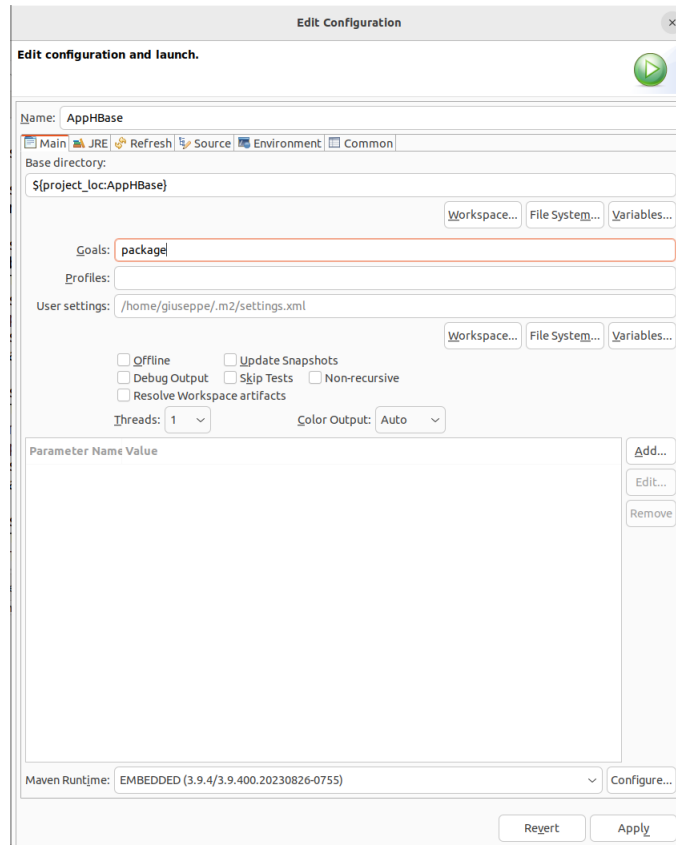# Jar Build and Execution

This guide reports the steps need to export a jar and execute it with `hadoop jar`
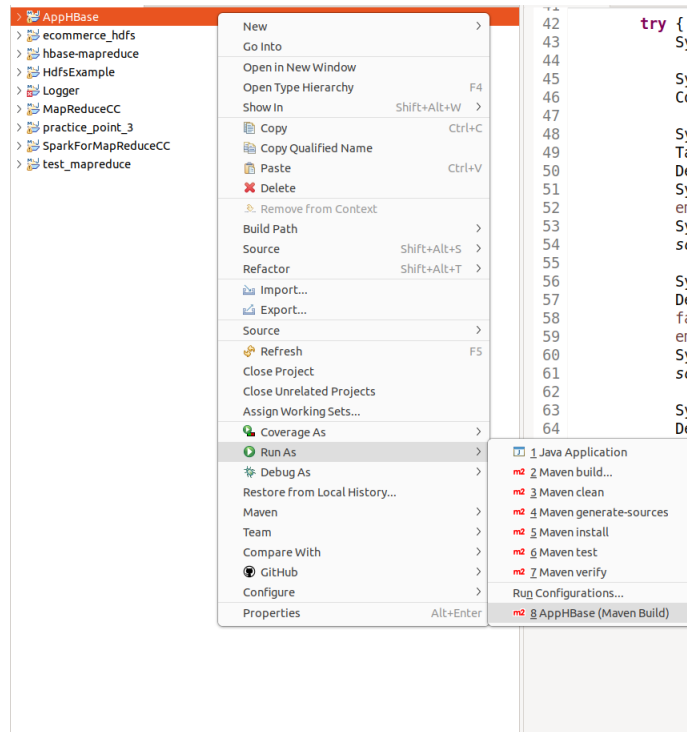
- The first time you need to create a run configuration. Right click on project and select "run as"/"maven build ..."

- At this point you will see the following window in which you should specify "package" in the field "Goals":

- Click apply and close the window

- For exporting the jar, right click on the project and select "run as"/"configuration_name", where configuration_name is the name of the maven build configuration that you have previously created (in the example is "AppHBase").

```
[INFO]
[INFO] --- surefire:3.1.2:test (default-test) @ AppHBase ---
[INFO]
[INFO] --- jar:3.3.0:jar (default-jar) @ AppHBase ---
[INFO] Building jar: /home/giuseppe/Teaching/BigData/HBASE/HBaseClientAPI/AppHBase/target/AppHBase-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- assembly:3.6.0:single (default) @ AppHBase ---
[INFO] Building jar: /home/giuseppe/Teaching/BigData/HBASE/HBaseClientAPI/AppHBase/target/AppHBase-0.0.1-SNAPSHOT-jar-with-dependencies.jar
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  14.106 s
[INFO] Finished at: 2023-11-24T16:18:11+01:00
[INFO] ------------------------------------------------------------------------
```

- In order to execute the exported jar you should run:

  hadoop jar your_file.jar package.MainClass

  where your_file.jar is the exported jar file, package is the package in which your main class is, and MainClass is the class containing the method you want to run