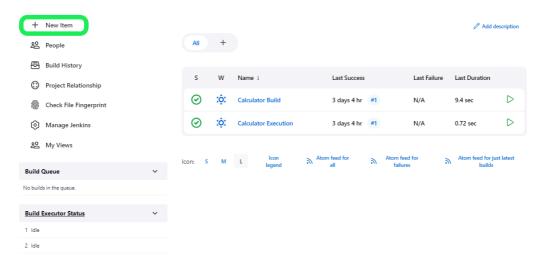
JENKINS - MAVEN EXERCISE

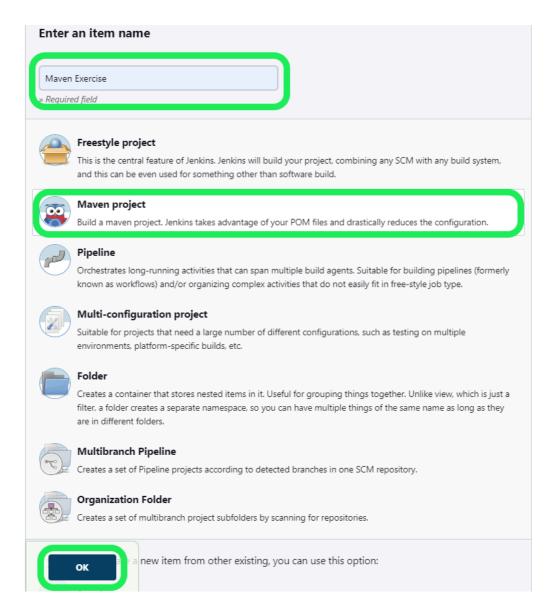
The purpose of this exercise is to generate a Maven project based on the https://github.com/jitpack/maven-simple repository. Since the output from this repository shows several warnings I have modified the original POM file included in this repository and forked it to a new repository which then was used to build and run the project. The modified POM file can be found in this repository https://github.com/jasarmig/maven-simple.

STEP BY STEP PROCESS

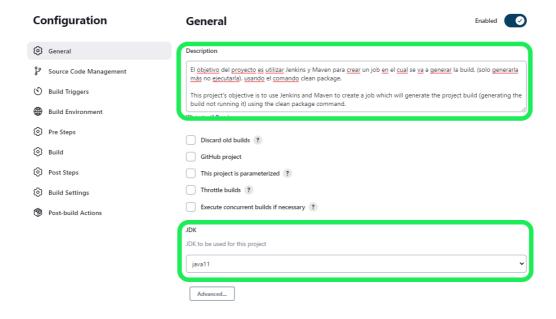
1. From the left hand menu on the Jenkins home page, click on New Item to create a new Project.



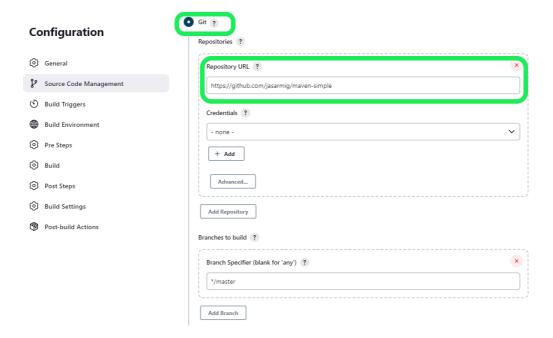
2. On the new screen enter a name for the project, choose Maven Project from the options and click OK to continue.



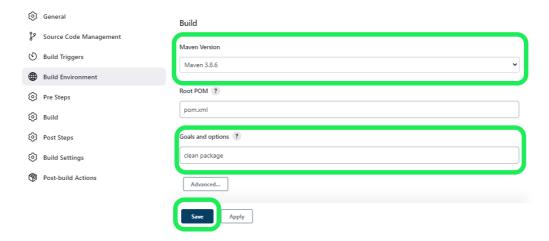
3. In the configuration window, begin by entering a description for the project, if you have more than one JDK available choose the one you want to work with, if you don't have more than one you will not see this option.



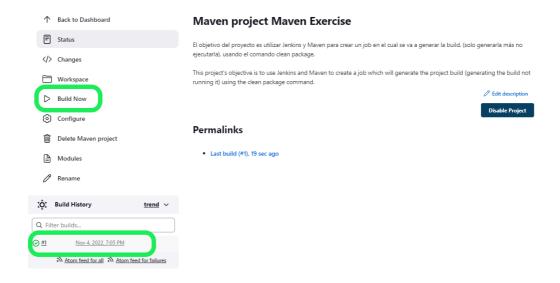
4. Enable the Git configuration and enter the address of the repository you are working with. Continue scrolling down.



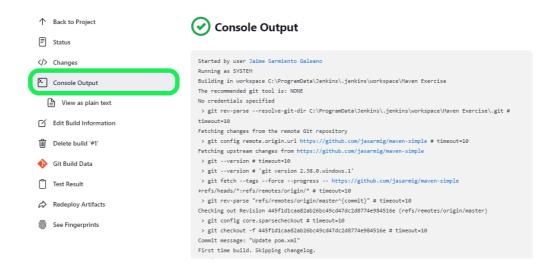
5. Choose the Maven version you will be using for the build if there is more than one available. Click on Save.



6. Now that your project is properly configured, click on Build Now on the left hand menu, below the menu you will see a progress bar and after the project is done building you will see an indicator showing wether the project was successfully built or not. Click on the indicator for more information on the result.



7. On the left hand menu click on Console Output to see the results of the built. Here you will see if the project was successfully built or not, if not it will show you the cause, in case it was successful it will say so on the las line of the Console Output.



MY PROJECT'S CONSOLE OUTPUT

```
Started by user Jaime Sarmiento Galeano
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\Maven Exercise
The recommended git tool is: NONE
No credentials specified
 > git rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\.git # timeout=10
Fetching changes from the remote Git repository
 > git config remote.origin.url https://github.com/jasarmig/maven-simple #
timeout=10
Fetching upstream changes from https://github.com/jasarmig/maven-simple
 > git --version # timeout=10
 > git --version # 'git version 2.38.0.windows.1'
 > git fetch --tags --force --progress -- https://github.com/jasarmig/maven-simple
+refs/heads/*:refs/remotes/origin/* # timeout=10
 > git rev-parse "refs/remotes/origin/master^{commit}" # timeout=10
```

```
Checking out Revision 445f1d1caa82ab26bc49cd47dc2d8774e984516e
(refs/remotes/origin/master)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f 445f1d1caa82ab26bc49cd47dc2d8774e984516e # timeout=10
Commit message: "Update pom.xml"
First time build. Skipping changelog.
Parsing POMs
Discovered a new module com.github.jitpack:maven-simple Simple Maven example
Modules changed, recalculating dependency graph
Established TCP socket on 55694
[Maven Exercise] $ "C:\Program Files\Java\jdk-11.0.16.1/bin/java" -cp
"C:\ProgramData\Jenkins\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven35-agent-
1.14.jar;C:\Program Files\Maven\apache-maven-3.8.6\boot\plexus-classworlds-
2.6.0.jar;C:\Program Files\Maven\apache-maven-3.8.6/conf/logging"
jenkins.maven3.agent.Maven35Main "C:\Program Files\Maven\apache-maven-3.8.6"
C:\ProgramData\Jenkins\war\WEB-INF\lib\remoting-3044.vb_940a_a_e4f72e.jar
C:\ProgramData\Jenkins\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven35-
interceptor-1.14.jar C:\ProgramData\Jenkins\.jenkins\plugins\maven-plugin\WEB-
INF\lib\maven3-interceptor-commons-1.14.jar 55694
<===[JENKINS REMOTING CAPACITY]===>channel started
Executing Maven: -B -f C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\pom.xml clean package
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.github.jitpack:maven-simple >------
[INFO] Building Simple Maven example 0.2-SNAPSHOT
[INFO] ------[ jar ]------
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ maven-simple ---
[INFO] Deleting C:\ProgramData\Jenkins\.jenkins\workspace\Maven Exercise\target
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ maven-simple
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory
C:\ProgramData\Jenkins\.jenkins\workspace\Maven Exercise\src\main\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.2:compile (default-compile) @ maven-simple ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\classes
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @
maven-simple ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory
C:\ProgramData\Jenkins\.jenkins\workspace\Maven Exercise\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.2:testCompile (default-testCompile) @ maven-
simple ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\test-classes
[INFO]
```

```
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ maven-simple ---
[INFO] Surefire report directory: C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\surefire-reports
TESTS
Running com.github.jitpack.AppTest
Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.043 sec
Results:
Tests run: 2, Failures: 0, Errors: 0, Skipped: 0
[JENKINS] Recording test results
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ maven-simple ---
[INFO] Building jar: C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\maven-simple-0.2-SNAPSHOT.jar
[INFO]
[INFO] --- maven-source-plugin:3.2.1:jar-no-fork (attach-sources) @ maven-simple -
[INFO] Building jar: C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\maven-simple-0.2-SNAPSHOT-sources.jar
[INFO]
[INFO] --- maven-javadoc-plugin:3.4.1:jar (attach-javadocs) @ maven-simple ---
[INFO] No previous run data found, generating javadoc.
[INFO]
Loading source file C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\src\main\java\com\github\jitpack\App.java...
Loading source files for package com.github.jitpack...
Constructing Javadoc information...
Standard Doclet version 11.0.16.1
Building tree for all the packages and classes...
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\com\github\jitpack\App.html...
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\com\github\jitpack\package-summary.html...
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\com\github\jitpack\package-tree.html...
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\constant-values.html...
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\com\github\jitpack\class-use\App.html...
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\com\github\jitpack\package-use.html...
Building index for all the packages and classes...
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\overview-tree.html...
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\index-all.html...
Building index for all classes...
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\allclasses-index.html...
```

```
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\allpackages-index.html...
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\deprecated-list.html...
Building index for all classes...
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\allclasses.html...
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\allclasses.html...
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\index.html...
Generating C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\apidocs\help-doc.html...
[INFO] Building jar: C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\maven-simple-0.2-SNAPSHOT-javadoc.jar
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 12.382 s
[INFO] Finished at: 2022-11-04T19:06:22-05:00
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\pom.xml to com.github.jitpack/maven-simple/0.2-SNAPSHOT/maven-simple-0.2-
SNAPSHOT.pom
[JENKINS] Archiving C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\maven-simple-0.2-SNAPSHOT.jar to com.github.jitpack/maven-
simple/0.2-SNAPSHOT/maven-simple-0.2-SNAPSHOT.jar
[JENKINS] Archiving C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\maven-simple-0.2-SNAPSHOT-sources.jar to com.github.jitpack/maven-
simple/0.2-SNAPSHOT/maven-simple-0.2-SNAPSHOT-sources.jar
[JENKINS] Archiving C:\ProgramData\Jenkins\.jenkins\workspace\Maven
Exercise\target\maven-simple-0.2-SNAPSHOT-javadoc.jar to com.github.jitpack/maven-
simple/0.2-SNAPSHOT/maven-simple-0.2-SNAPSHOT-javadoc.jar
channel stopped
Finished: SUCCESS
```