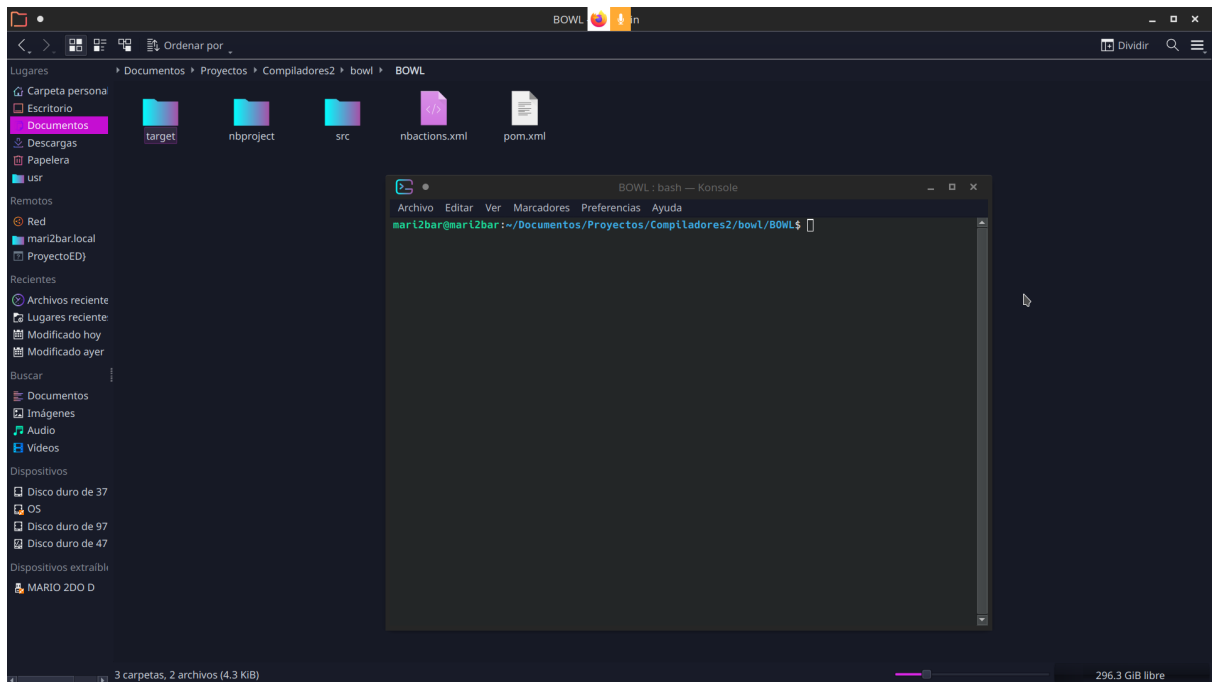


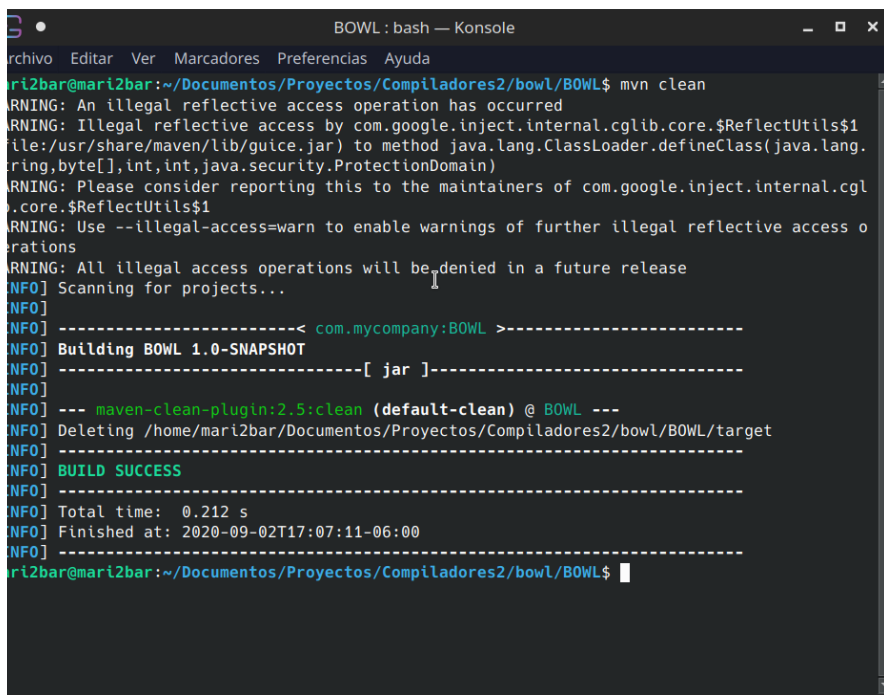
# Manual de Instalación

## Instalación:

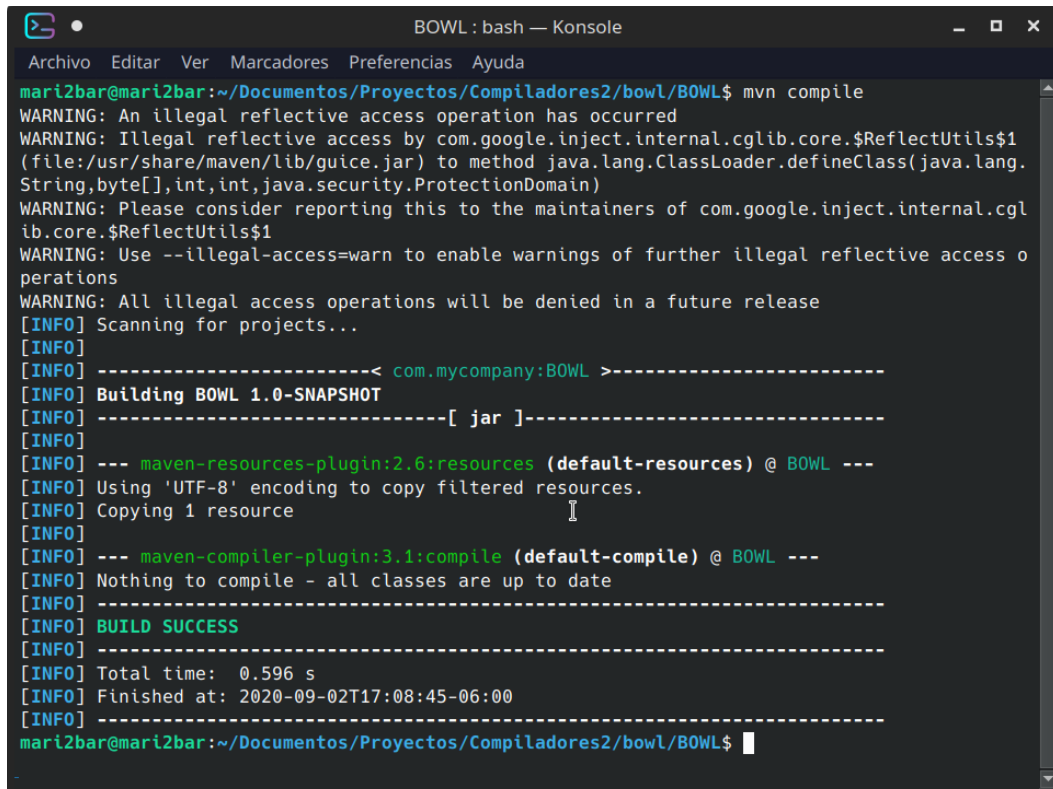
- Instalación del programa Bowl, basado en cup, donde es una interfaz gráfica para desarrollar lenguajes y probarlos en ejecución.
1. Abrir la carpeta del proyecto, en esa carpeta se encontrará el pom.xml, en este momento abrirá una terminal en esa locación.



2. En esta terminal escribir el comando “*mvn clean*”

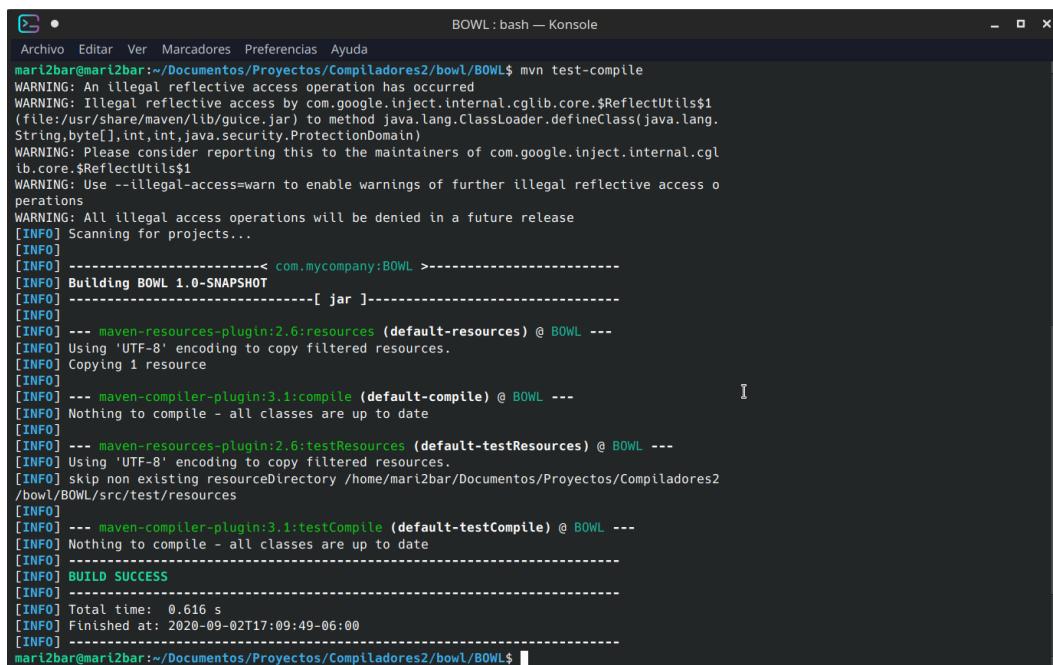


### 3. Escribir el comando *"mvn compile"*



```
BOWL: bash — Konsole
Archivo Editar Ver Marcadores Preferencias Ayuda
mari2bar@mari2bar:~/Documentos/Proyectos/Compiladores2/bowl/BOWL$ mvn compile
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$1
(file:/usr/share/maven/lib/guice.jar) to method java.lang.ClassLoader.defineClass(java.lang.
String,byte[],int,int,java.security.ProtectionDomain)
WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cgl
ib.core.$ReflectUtils$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access o
perations
WARNING: All illegal access operations will be denied in a future release
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany:BOWL >-----
[INFO] Building BOWL 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ BOWL ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 1 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ BOWL ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 0.596 s
[INFO] Finished at: 2020-09-02T17:08:45-06:00
[INFO]
mari2bar@mari2bar:~/Documentos/Proyectos/Compiladores2/bowl/BOWL$
```

### 4. Escribir el comando *"mvn test-compile"*



```
BOWL: bash — Konsole
Archivo Editar Ver Marcadores Preferencias Ayuda
mari2bar@mari2bar:~/Documentos/Proyectos/Compiladores2/bowl/BOWL$ mvn test-compile
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$1
(file:/usr/share/maven/lib/guice.jar) to method java.lang.ClassLoader.defineClass(java.lang.
String,byte[],int,int,java.security.ProtectionDomain)
WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cgl
ib.core.$ReflectUtils$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access o
perations
WARNING: All illegal access operations will be denied in a future release
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany:BOWL >-----
[INFO] Building BOWL 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ BOWL ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 1 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ BOWL ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ BOWL ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /home/mari2bar/Documentos/Proyectos/Compiladores2
/bowl/BOWL/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ BOWL ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 0.616 s
[INFO] Finished at: 2020-09-02T17:09:49-06:00
[INFO]
mari2bar@mari2bar:~/Documentos/Proyectos/Compiladores2/bowl/BOWL$
```

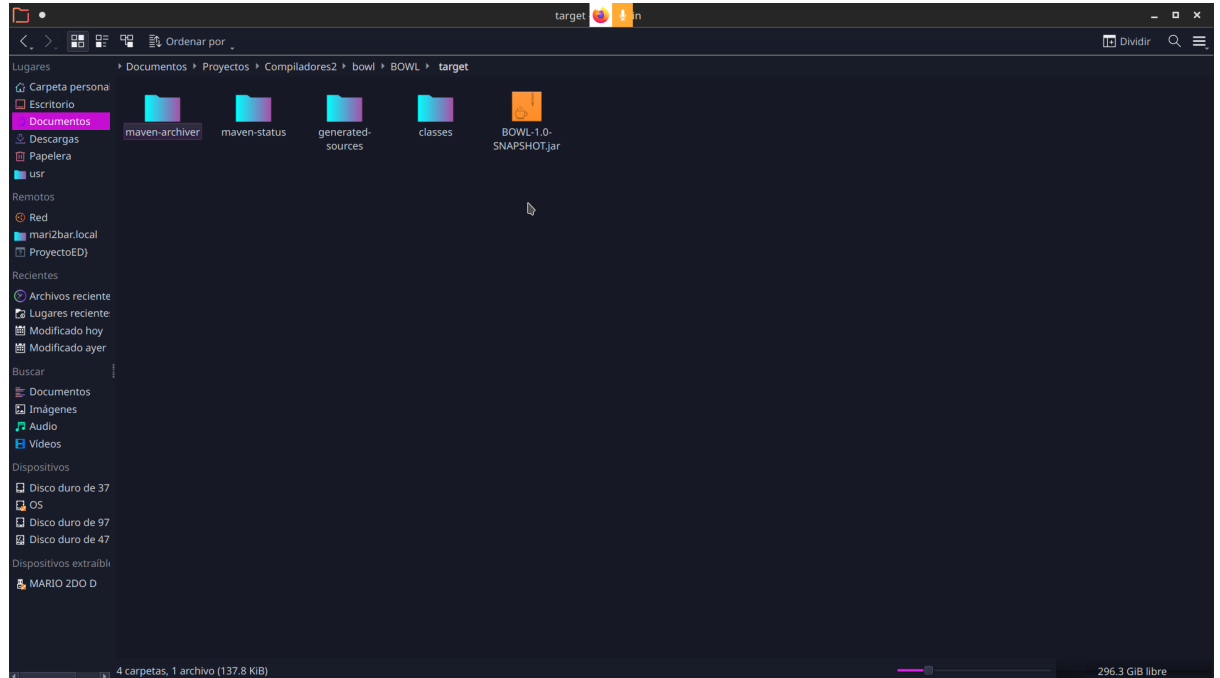
## 5. Escribir el comando “mvn test”

```
BOWL: bash — Konsole
Archivo Editar Ver Marcadores Preferencias Ayuda
mari2bar@mari2bar:~/Documentos/Proyectos/Compiladores2/bowl/BOWL$ mvn test
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$1 (file:/usr/share/maven/lib/guice.jar) to method java.lang.ClassLoader.defineClass(java.lang.String,byte[],int,int,java.security.ProtectionDomain)
WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cglib.core.$ReflectUtils$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany:BOWL >-----
[INFO] Building BOWL 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ BOWL ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 1 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ BOWL ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ BOWL ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /home/mari2bar/Documentos/Proyectos/Compiladores2/bowl/BOWL/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ BOWL ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ BOWL ---
[INFO] No tests to run.
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 0.708 s
[INFO] Finished at: 2020-09-02T17:11:17-06:00
[INFO]
mari2bar@mari2bar:~/Documentos/Proyectos/Compiladores2/bowl/BOWL$
```

## 6. Y para finalizar escribir el comando “mvn install”

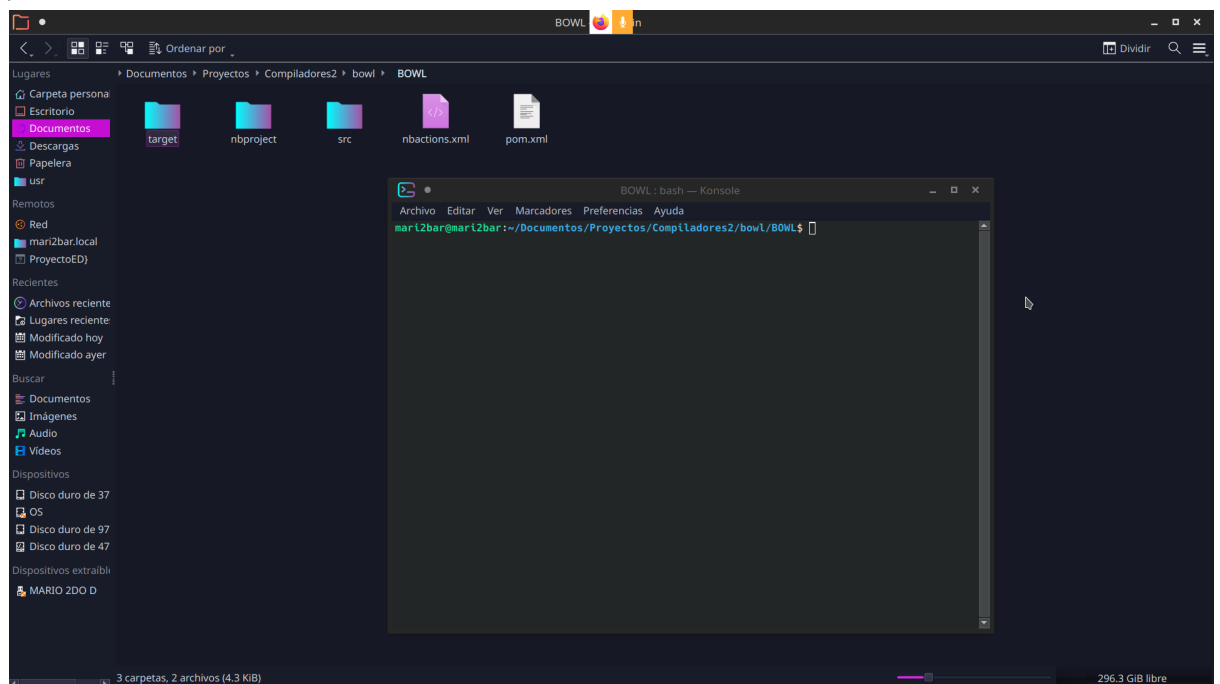
```
Archivo Editar Ver Marcadores Preferencias Ayuda
mari2bar@mari2bar:~/Documentos/Proyectos/Compiladores2/bowl/BOWL$ mvn install
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$1 (file:/usr/share/maven/lib/guice.jar) to method java.lang.ClassLoader.defineClass(java.lang.String,byte[],int,int,java.security.ProtectionDomain)
WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cglib.core.$ReflectUtils$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany:BOWL >-----
[INFO] Building BOWL 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ BOWL ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 1 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ BOWL ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ BOWL ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /home/mari2bar/Documentos/Proyectos/Compiladores2/bowl/BOWL/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ BOWL ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ BOWL ---
[INFO] No tests to run.
[INFO]
[INFO] --- maven-jar-plugin:3.0.2:jar (default-jar) @ BOWL ---
[INFO] Building jar: /home/mari2bar/Documentos/Proyectos/Compiladores2/bowl/BOWL/target/BOWL-1.0-SNAPSHOT.jar
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ BOWL ---
[INFO] Installing /home/mari2bar/Documentos/Proyectos/Compiladores2/bowl/BOWL/target/BOWL-1.0-SNAPSHOT.jar to /home/mari2bar/.m2/repository/com/mycompany/BOWL/1.0-SNAPSHOT/BOWL-1.0-SNAPSHOT.jar
[INFO] Installing /home/mari2bar/Documentos/Proyectos/Compiladores2/bowl/BOWL/pom.xml to /home/mari2bar/.m2/repository/com/mycompany/BOWL/1.0-SNAPSHOT/BOWL-1.0-SNAPSHOT.pom
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.155 s
[INFO] Finished at: 2020-09-02T17:12:44-06:00
[INFO]
```

7. Esto lo que hace es crear un archivo .jar en la carpeta target. Este .jar es el “ejecutable”, el cual solo debe clickear para que se cree.

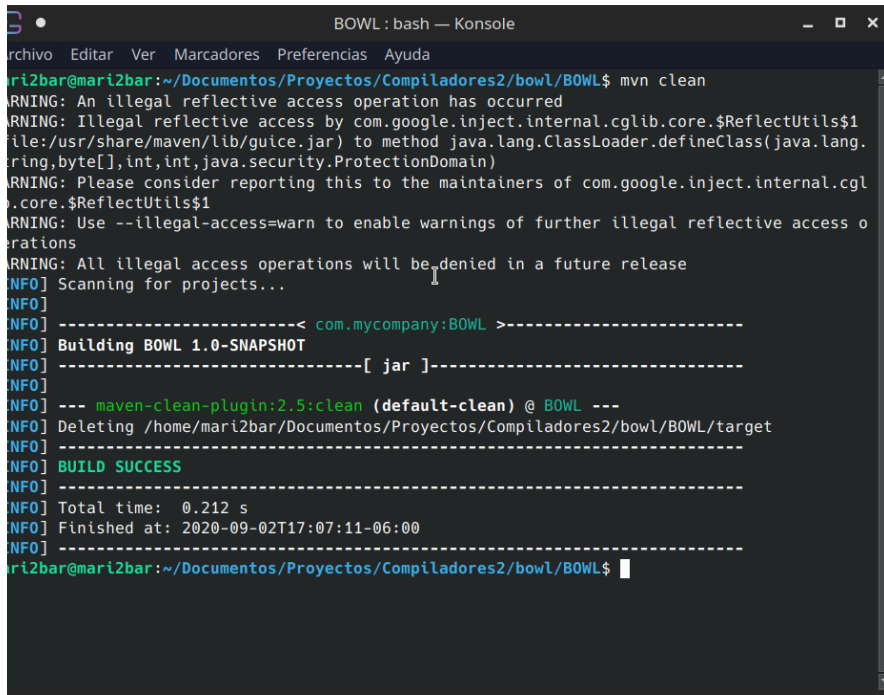


## Desinstalación:

1. Abrir la carpeta del proyecto, en esa carpeta se encontrará el pom.xml, en este momento abrirá una terminal en esa locación.



2. En esta terminal escribir el comando “*mvn clean*”

A terminal window titled "BOWL : bash — Konsole" showing the execution of the "mvn clean" command. The terminal output includes several warnings about illegal reflective access operations, followed by Maven's scanning process, building of BOWL 1.0-SNAPSHOT, and a successful build completion. The prompt at the bottom shows the user is in the directory ~/Documentos/Proyectos/Compiladores2/bowl/BOWL.

```
BOWL : bash — Konsole
Archivo  Editar  Ver  Marcadores  Preferencias  Ayuda
mari2bar@mari2bar:~/Documentos/Proyectos/Compiladores2/bowl/BOWL$ mvn clean
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$1
       (file:/usr/share/maven/lib/guice.jar) to method java.lang.ClassLoader.defineClass(java.lang.
       String,byte[],int,int,java.security.ProtectionDomain)
WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cglib
       .core.$ReflectUtils$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access o
       perations
WARNING: All illegal access operations will be denied in a future release
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany:BOWL >-----
[INFO] Building BOWL 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ BOWL ---
[INFO] Deleting /home/mari2bar/Documentos/Proyectos/Compiladores2/bowl/BOWL/target
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] -----
[INFO] Total time:  0.212 s
[INFO] Finished at: 2020-09-02T17:07:11-06:00
[INFO]
mari2bar@mari2bar:~/Documentos/Proyectos/Compiladores2/bowl/BOWL$
```

3. Eliminar la carpeta bowl

