

# maven

- ✓ Haz capturas de imágenes en el que muestres el uso de mvn compile, mvn clean, mvn package y la



ejecución de "myhelloMVN"

- En el archivo pom.xml se agregó la línea llamada (**properties**)

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-
v4_0_0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.iesme.edd</groupId>
  <artifactId>myHelloMVN</artifactId>
  <packaging>jar</packaging>
  <version>1.0-SNAPSHOT</version>
  <name>myHelloMVN</name>
  <url>http://maven.apache.org</url>
  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>3.8.1</version>
      <scope>test</scope>
    </dependency>
  </dependencies>

  <properties>
    <maven.compiler.source>1.8</maven.compiler.source>
    <maven.compiler.target>1.8</maven.compiler.target>
  </properties>
</project>
```

maven compile

```
yosari@lliurex-alda:~/NetBeansProjects/myHelloMVN$ mvn compile
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.iesme.edd:myHelloMVN >-----
[INFO] Building myHelloMVN 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ myHelloMVN ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e.
. build is platform dependent!
[INFO] skip non existing resourceDirectory /home/yosari/NetBeansProjects/myHelloMVN/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ myHelloMVN ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!
[INFO] Compiling 1 source file to /home/yosari/NetBeansProjects/myHelloMVN/target/classes
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.301 s
[INFO] Finished at: 2024-01-29T16:02:41+01:00
[INFO]
-----
```

```
yosari@lliurex-alda:~/NetBeansProjects/myHelloMVN$ tree
.
├── pom.xml
├── src
│   ├── main
│   │   └── java
│   │       ├── com
│   │       │   └── iesme
│   │       │       └── edd
│   │       │           └── App.java
│   └── test
│       ├── java
│       │   ├── com
│       │   │   └── iesme
│       │   │       └── edd
│       │   │           └── AppTest.java
└── target
    ├── classes
    │   ├── com
    │   │   └── iesme
    │   │       └── edd
    │   │           └── App.class
```

maven clean

```

22 directories, 0 files
yosari@lliurex-alda:~/NetBeansProjects/myHelloMVN$ mvn clean
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.iesme.edd:myHelloMVN >-----
[INFO] Building myHelloMVN 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ myHelloMVN ---
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0/plexus-utils-3.0.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0/plexus-utils-3.0.pom (4.1 kB at 13 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/sonatype/spice/spice-parent/16/spice-parent-16.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/sonatype/spice/spice-parent/16/spice-parent-16.pom (8.4 kB at 104 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0/plexus-utils-3.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0/plexus-utils-3.0.jar (226 kB at 1.8 MB/s)
[INFO] Deleting /home/yosari/NetBeansProjects/myHelloMVN/target
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.107 s
[INFO] Finished at: 2024-01-29T16:03:37+01:00
[INFO]
yosari@lliurex-alda:~/NetBeansProjects/myHelloMVN$ tree

```

## maven package

```


yosari@lliurex-alda:~/NetBeansProjects/myHelloMVN$ mvn package
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.iesme.edd:myHelloMVN >-----
[INFO] Building myHelloMVN 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-surefire-plugin/2.12.4/maven-surefire-plugin-2.12.4.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-surefire-plugin/2.12.4/maven-surefire-plugin-2.12.4.pom (10 kB at 33 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire/2.12.4/surefire-2.12.4.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire/2.12.4/surefire-2.12.4.pom (14 kB at 313 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-surefire-plugin/2.12.4/maven-surefire-plugin-2.12.4.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-surefire-plugin/2.12.4/maven-surefire-plugin-2.12.4.jar (30 kB at 575 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-jar-plugin/2.4/maven-jar-plugin-2.4.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-jar-plugin/2.4/maven-jar-plugin-2.4.pom (5.8 kB at 172 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-jar-plugin/2.4/maven-jar-plugin-2.4.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plu

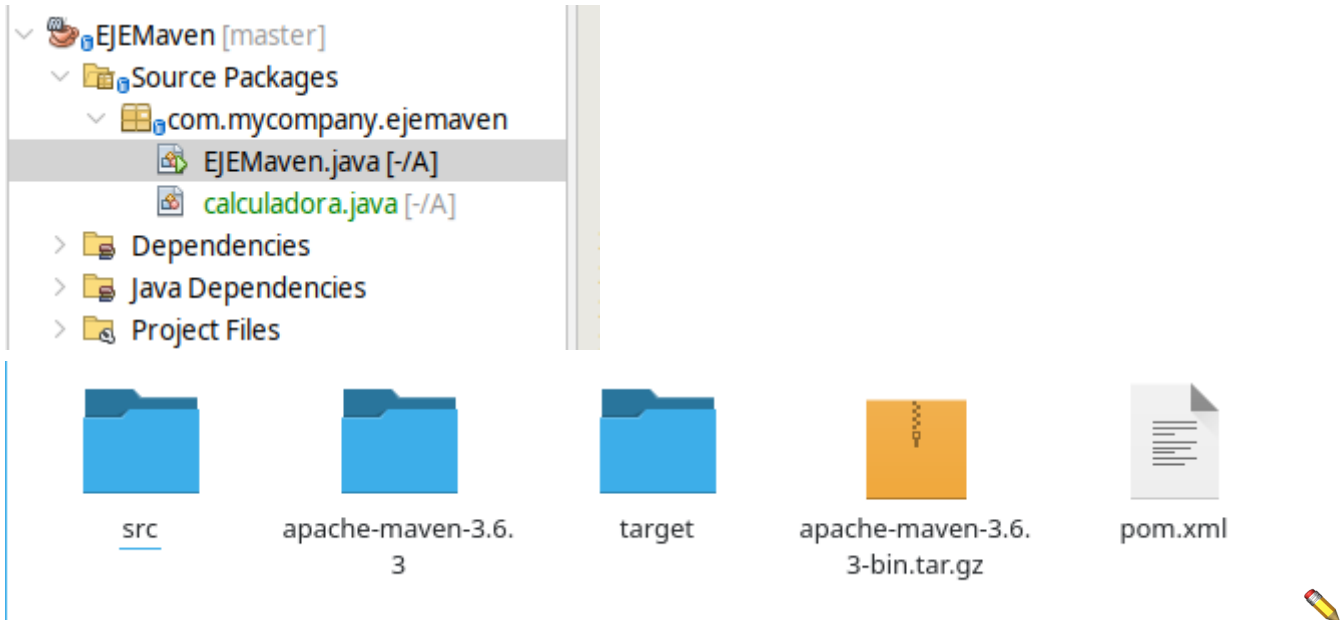
```

## hola Mundo

```
yosari@lliurex-alda:~/NetBeansProjects/myHelloMVN$ java -cp target/classes com.iesme.edd.App
Hello World!
yosari@lliurex-alda:~/NetBeansProjects/myHelloMVN$ java -jar fichero.jar 20 10
```

✓ A partir del código de la calculadora (de la práctica anterior), haz un proyecto maven en netbeans

 Haz capturas de parte del proceso (puedes hacer alguna captura de como inicias el proyecto más una breve explicación)



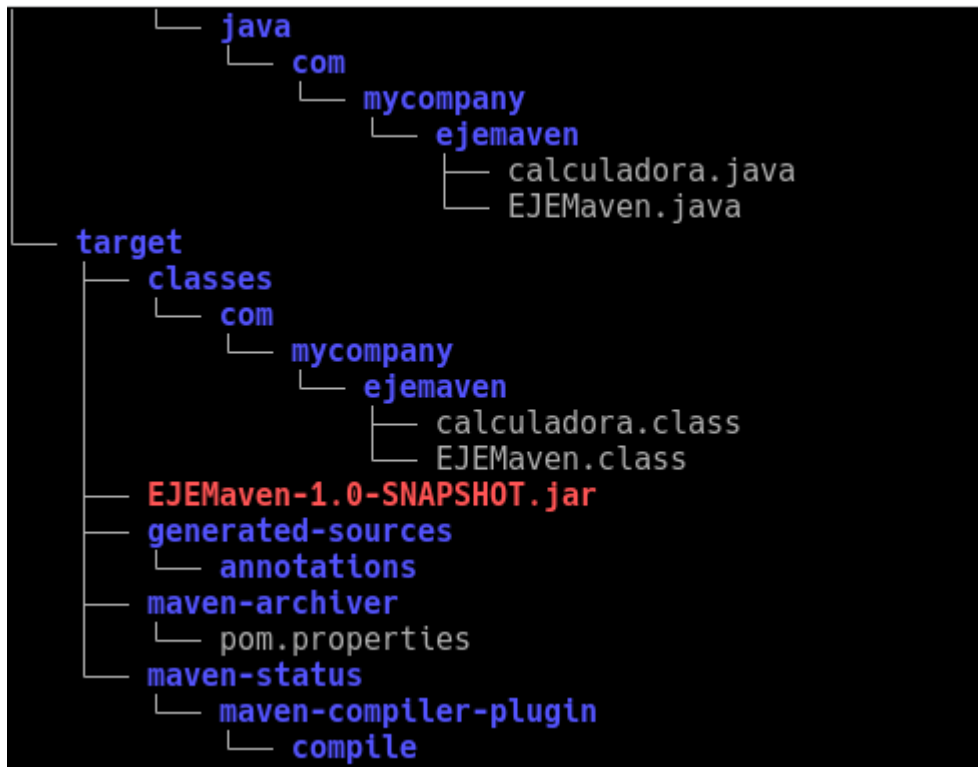
Usa mvn compile, mvn clean, mvn package y su ejecución (hazlo con el comando java...)

```
yosari@lliurex-alda:~/NetBeansProjects/EJEMaven$ mvn compile
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany:EJEMaven >-----
[INFO] Building EJEMaven 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ EJEMaven ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /home/yosari/NetBeansProjects/EJEMaven/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ EJEMaven ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 2 source files to /home/yosari/NetBeansProjects/EJEMaven/target/classes
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 1.346 s
[INFO] Finished at: 2024-01-30T16:33:17+01:00
[INFO] -----
```

```
yosari@lliurex-alda:~/NetBeansProjects/EJEMaven$ mvn clean
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany:EJEMaven >-----
[INFO] Building EJEMaven 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ EJEMaven ---
[INFO] Deleting /home/yosari/NetBeansProjects/EJEMaven/target
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] -----
[INFO] Total time: 0.237 s
[INFO] Finished at: 2024-01-30T17:14:53+01:00
[INFO]
[INFO] -----
yosari@lliurex-alda:~/NetBeansProjects/EJEMaven$
```

- Empaquetamos el proyecto en un formato específico.

```
yosari@lliurex-alda:~/NetBeansProjects/EJEMaven$ mvn package
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany:EJEMaven >-----
[INFO] Building EJEMaven 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ EJEMaven ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /home/yosari/NetBeansProjects/EJEMaven/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ EJEMaven ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 2 source files to /home/yosari/NetBeansProjects/EJEMaven/target/classes
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ EJEMaven ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /home/yosari/NetBeansProjects/EJEMaven/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ EJEMaven ---
```



- Después de hacer el comando tree. Seguimos la ruta para compilar.

```
Syntax incorrecta. Necesitas dos números.
yosari@lliurex-alda:~/NetBeansProjects/EJEMaven$ java -cp target/classes com.mycompany.ejemaven.EJEMaven 10 20
La suma entre 10.0 y 20.0 es :30.0
La resta entre 10.0 y 20.0 es :-10.0
La division entre 10.0 y 20.0 es :0.5
La multiplicacion entre 10.0 y 20.0 es :200.0
10.0 es mayor que 20.0 :0
Ultima operacionj realizada : MayorQue; ultimo resultado 1.0
yosari@lliurex-alda:~/NetBeansProjects/EJEMaven$
```