

LABORATORIO 2 CVDS

Edwar Lozano – Santiago Fetecua

CREAR UN PROYECTO CON MAVEN

```
Command Prompt

C:\Users\santiago.fetecua.LABINFO>mvn archetype:generate -Dfilter=maven-archetype-quickstart
[INFO] Scanning for projects...
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/2.4/maven-install-plugin-2.4.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/2.4/maven-install-plugin-2.4.pom (6.4 kB at 5.6 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/23/maven-plugins-23.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/23/maven-plugins-23.pom (9.2 kB at 18 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/22/maven-parent-22.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/22/maven-parent-22.pom (18 kB at 132 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/maven-archetype-plugin/3.2.1/maven-archetype-plugin-3.2.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/maven-archetype-plugin/3.2.1/maven-archetype-plugin-3.2.1.jar (101 kB at 493 kB/s)
[INFO] -----< org.apache.maven:standalone-pom >-----
[INFO] Building Maven Stub Project (No POM) 1
[INFO] -----[ pom ]-----
[INFO]
[INFO] >>> maven-archetype-plugin:3.2.1:generate (default-cli) > generate-sources @ standalone-pom >>>
[INFO]
[INFO] <<< maven-archetype-plugin:3.2.1:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO]
[INFO] --- maven-archetype-plugin:3.2.1:generate (default-cli) @ standalone-pom ---
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/archetype-catalog/3.2.1/archetype-catalog-3.2.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-lang3/3.8.1/commons-lang3-3.8.1.jar (502 kB at 216 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-script-interpreter/1.2/maven-script-interpreter-1.2.jar (22 kB at 9.0 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/groovy/groovy/2.0.1/groovy-2.0.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/commons-collections/commons-collections/3.2.2/commons-collections-3.2.2.jar (588 kB at 235 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/antlr/antlr/2.7.7/antlr-2.7.7.jar (445 kB at 158 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-tree/4.0/asm-tree-4.0.jar (22 kB at 7.3 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-commons/4.0/asm-commons-4.0.jar (38 kB at 12 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm/4.0/asm-4.0.jar (46 kB at 14 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-util/4.0/asm-util-4.0.jar (37 kB at 11 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-analysis/4.0/asm-analysis-4.0.jar (20 kB at 5.6 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/beanshell/bsh/2.0b4/bsh-2.0b4.jar (282 kB at 67 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/ant/ant/1.8.1/ant-1.8.1.jar (1.5 MB at 223 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/velocity/velocity/1.7/velocity-1.7.jar (450 kB at 91 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/groovy/groovy/2.0.1/groovy-2.0.1.jar (3.3 MB at 418 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/groovy/groovy-all/2.4.16/groovy-all-2.4.16.jar (7.2 MB at 743 kB/s)
[INFO] Generating project in Interactive mode
[INFO] No archetype defined. Using maven-archetype-quickstart (org.apache.maven.archetypes:maven-archetype-quickstart:1.0)
Choose archetype:
1: remote -> com.github.ywchang:maven-archetype-quickstart (Provide up-to-date java quickstart archetype)
2: remote -> com.haoxuer:maven-archetype-quickstart (a simple maven archetype)
3: remote -> org.apache.maven.archetypes:maven-archetype-quickstart (An archetype which contains a sample Maven project.)
Choose a number or apply filter (format: [groupId:]artifactId, case sensitive contains): 3: 3
Choose org.apache.maven.archetypes:maven-archetype-quickstart version:
1: 1.0-alpha-1
2: 1.0-alpha-2
3: 1.0-alpha-3
4: 1.0-alpha-4
5: 1.0
6: 1.1
7: 1.3
8: 1.4
Choose a number: 8: 8
```

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Command Prompt

Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.4/maven-archetype-quickstart-1.4.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.4/maven-archetype-quickstart-1.4.pom (1.6 kB at 11 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-bundles/1.4/maven-archetype-bundles-1.4.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-bundles/1.4/maven-archetype-bundles-1.4.pom (4.5 kB at 32 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.4/maven-archetype-quickstart-1.4.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.4/maven-archetype-quickstart-1.4.jar (7.1 kB at 46 kB/s)
Define value for property 'groupId': edu.eci.cvds
Define value for property 'artifactId': Patterns
Define value for property 'version' 1.0-SNAPSHOT: : 1.0.0
Define value for property 'package' edu.eci.cvds: : edu.eci.cvds.patterns
Confirm properties configuration:
groupId: edu.eci.cvds
artifactId: Patterns
version: 1.0.0
package: edu.eci.cvds.patterns
Y: : Y
[INFO] -----
[INFO] Using following parameters for creating project from Archetype: maven-archetype-quickstart:1.4
[INFO] -----
[INFO] Parameter: groupId, Value: edu.eci.cvds
[INFO] Parameter: artifactId, Value: Patterns
[INFO] Parameter: version, Value: 1.0.0
[INFO] Parameter: package, Value: edu.eci.cvds.patterns
[INFO] Parameter: packageInPathFormat, Value: edu/eci/cvds/patterns
[INFO] Parameter: package, Value: edu.eci.cvds.patterns
[INFO] Parameter: groupId, Value: edu.eci.cvds
[INFO] Parameter: artifactId, Value: Patterns
[INFO] Parameter: version, Value: 1.0.0
[INFO] Project created from Archetype in dir: C:\Users\santiago.fetecua.LABINFO\Patterns
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 09:27 min
[INFO] Finished at: 2022-01-29T07:57:44-05:00
[INFO] -----

C:\Users\santiago.fetecua.LABINFO>cd Patterns

C:\Users\santiago.fetecua.LABINFO\Patterns>tree
Folder PATH listing
Volume serial number is F671-CE19
C:.
```

```
Command Prompt

Y: : Y
[INFO] -----
[INFO] Using following parameters for creating project from Archetype: maven-archetype-quickstart:1.4
[INFO] -----
[INFO] Parameter: groupId, Value: edu.eci.cvds
[INFO] Parameter: artifactId, Value: Patterns
[INFO] Parameter: version, Value: 1.0.0
[INFO] Parameter: package, Value: edu.eci.cvds.patterns
[INFO] Parameter: packageInPathFormat, Value: edu/eci/cvds/patterns
[INFO] Parameter: package, Value: edu.eci.cvds.patterns
[INFO] Parameter: groupId, Value: edu.eci.cvds
[INFO] Parameter: artifactId, Value: Patterns
[INFO] Parameter: version, Value: 1.0.0
[INFO] Project created from Archetype in dir: C:\Users\santiago.fetecua.LABINFO\Patterns
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 09:27 min
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[INFO] -----

C:\Users\santiago.fetecua.LABINFO>cd Patterns

C:\Users\santiago.fetecua.LABINFO\Patterns>tree
Folder PATH listing
Volume serial number is F671-CE19
C:.
|--src
|   |--main
|   |   |--java
|   |   |   |--edu
|   |   |   |   |--eci
|   |   |   |   |   |--cvds
|   |   |   |   |   |   |--patterns
|   |--test
|   |   |--java
|   |   |   |--edu
|   |   |   |   |--eci
|   |   |   |   |   |--cvds
|   |   |   |   |   |   |--patterns
C:\Users\santiago.fetecua.LABINFO\Patterns>
```

COMPILAR Y EJECUTAR

```
C:\Users\santiago.fetecua.LABINFO\Patterns>mvn package
[INFO] Scanning for projects...
[INFO]
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0.0
[INFO] -----[ jar ]-----
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-resources-plugin/3.0.2/maven-resources-plugin-3.0.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-resources-plugin/3.0.2/maven-resources-plugin-3.0.2.pom (7.1 kB at 12 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/30/maven-plugins-30.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/30/maven-plugins-30.pom (10 kB at 81 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-resources-plugin/3.0.2/maven-resources-plugin-3.0.2.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-resources-plugin/3.0.2/maven-resources-plugin-3.0.2.jar (32 kB at 254 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-compiler-plugin/3.8.0/maven-compiler-plugin-3.8.0.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-compiler-plugin/3.8.0/maven-compiler-plugin-3.8.0.pom (12 kB at 99 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-compiler-plugin/3.8.0/maven-compiler-plugin-3.8.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-compiler-plugin/3.8.0/maven-compiler-plugin-3.8.0.jar (62 kB at 442 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-surefire-plugin/2.22.1/maven-surefire-plugin-2.22.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-surefire-plugin/2.22.1/maven-surefire-plugin-2.22.1.pom (5.0 kB at 45 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire/2.22.1/surefire-2.22.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire/2.22.1/surefire-2.22.1.pom (26 kB at 183 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-surefire-plugin/2.22.1/maven-surefire-plugin-2.22.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-surefire-plugin/2.22.1/maven-surefire-plugin-2.22.1.jar (41 kB at 323 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-jar-plugin/3.0.2/maven-jar-plugin-3.0.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-jar-plugin/3.0.2/maven-jar-plugin-3.0.2.pom (6.2 kB at 50 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-jar-plugin/3.0.2/maven-jar-plugin-3.0.2.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-jar-plugin/3.0.2/maven-jar-plugin-3.0.2.jar (27 kB at 132 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-jar-plugin/3.0.2/maven-jar-plugin-3.0.2.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-jar-plugin/3.0.2/maven-jar-plugin-3.0.2.jar (27 kB at 132 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/junit/junit4.11/junit-4.11.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/junit/junit4.11/junit-4.11.pom (2.3 kB at 21 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/hamcrest/hamcrest-core/1.3/hamcrest-core-1.3.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/hamcrest/hamcrest-core/1.3/hamcrest-core-1.3.pom (766 B at 7.0 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/hamcrest/hamcrest-parent/1.3/hamcrest-parent-1.3.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/hamcrest/hamcrest-parent/1.3/hamcrest-parent-1.3.pom (2.0 kB at 16 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/junit/junit4.11/junit-4.11.jar
Downloaded from central: https://repo.maven.apache.org/maven2/junit/junit4.11/junit-4.11.jar (245 kB at 1.2 MB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/hamcrest/hamcrest-core/1.3/hamcrest-core-1.3.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/hamcrest/hamcrest-core/1.3/hamcrest-core-1.3.jar (45 kB at 125 kB/s)
[INFO]
[INFO] --- maven-resources-plugin:3.0.2:resources (default-resources) @ Patterns ---
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/2.0.4/plexus-utils-2.0.4.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/2.0.4/plexus-utils-2.0.4.pom (3.3 kB at 24 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-component-annotations/1.6/plexus-component-annotations-1.6.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-component-annotations/1.6/plexus-component-annotations-1.6.pom (748 B at 5.3 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-container-default/1.6/plexus-container-default-1.6.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-container-default/1.6/plexus-container-default-1.6.pom (3.8 kB at 27 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus/3.3.2/plexus-3.3.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus/3.3.2/plexus-3.3.2.pom (22 kB at 153 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/sonatype/spice/spice-parent/17/spice-parent-17.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/sonatype/spice/spice-parent/17/spice-parent-17.pom (6.8 kB at 48 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/2.0.5/plexus-utils-2.0.5.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/2.0.5/plexus-utils-2.0.5.pom (3.3 kB at 24 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/1.5.5/plexus-utils-1.5.5.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/1.5.5/plexus-utils-1.5.5.pom (5.1 kB at 41 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus/1.0.11/plexus-1.0.11.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus/1.0.11/plexus-1.0.11.pom (9.0 kB at 64 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0.24/plexus-utils-3.0.24.pom
```

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Command Prompt
Downloading from central: https://repo.maven.apache.org/maven2/com/google/code/findbugs/jsr305/2.0.1/jsr305-2.0.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/code/findbugs/jsr305/2.0.1/jsr305-2.0.1.jar (165 kB at 340 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-model/3.0/maven-model-3.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-model/3.0/maven-model-3.0.jar (165 kB at 340 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-build-api/0.0.7/plexus-build-api-0.0.7.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-build-api/0.0.7/plexus-build-api-0.0.7.jar (8.5 kB at 15 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0.24/plexus-utils-3.0.24.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0.24/plexus-utils-3.0.24.jar (247 kB at 495 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-component-annotations/1.6/plexus-component-annotations-1.6.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-component-annotations/1.6/plexus-component-annotations-1.6.pom (748 B at 5.3 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-container-default/1.6/plexus-container-default-1.6.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-container-default/1.6/plexus-container-default-1.6.pom (3.8 kB at 27 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus/3.3.2/plexus-3.3.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus/3.3.2/plexus-3.3.2.pom (22 kB at 153 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/sonatype/spice/spice-parent/17/spice-parent-17.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/sonatype/spice/spice-parent/17/spice-parent-17.pom (6.8 kB at 48 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/2.0.5/plexus-utils-2.0.5.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/2.0.5/plexus-utils-2.0.5.pom (3.3 kB at 24 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/1.5.5/plexus-utils-1.5.5.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/1.5.5/plexus-utils-1.5.5.pom (5.1 kB at 41 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus/1.0.11/plexus-1.0.11.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus/1.0.11/plexus-1.0.11.pom (9.0 kB at 64 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0.24/plexus-utils-3.0.24.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0.24/plexus-utils-3.0.24.pom (7.1 kB at 12 kB/s)
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\Users\santiago.fetecua.LABINFO\Patterns\src\main\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:compile (default-compile) @ Patterns ---
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-component-annotations/1.7.1/plexus-component-annotations-1.7.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-component-annotations/1.7.1/plexus-component-annotations-1.7.1.pom (770 B at 2.9 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-container-default/1.7.1/plexus-container-default-1.7.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-container-default/1.7.1/plexus-container-default-1.7.1.pom (5.0 kB at 46 kB/s)
```



```

[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0.0
[INFO] -----[ jar ]-----
[INFO] --- exec-maven-plugin:3.0.0:java (default-cli) @ Patterns ---
Hello World!
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 6.249 s
[INFO] Finished at: 2022-01-29T09:07:11-05:00
[INFO] -----
C:\Users\santiago.fetecua.LABINFO\Patterns>

```

```

package edu.eci.cvds.patterns;

import java.util.Scanner;

/**
 * Hello world!
 *
 */
public class App
{
    public static void main(String[] args ){
        System.out.println("Hello " + args[0]);
    }
}

```

```

C:\Users\santiago.fetecua.LABINFO\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.App" -Dexec.args="Pepito!"
[INFO] Scanning for projects...
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0.0
[INFO] -----[ jar ]-----
[INFO] --- exec-maven-plugin:3.0.0:java (default-cli) @ Patterns ---
Hello Pepito!
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.643 s
[INFO] Finished at: 2022-01-29T09:30:31-05:00
[INFO] -----

```

```

C:\Users\santiago.fetecua.LABINFO\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.App" -Dexec.args="'Pepito Perez!'"
[INFO] Scanning for projects...
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0.0
[INFO] -----[ jar ]-----
[INFO] --- exec-maven-plugin:3.0.0:java (default-cli) @ Patterns ---
Hello Pepito Perez!
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.642 s
[INFO] Finished at: 2022-01-29T09:31:13-05:00
[INFO] -----

```


HACER EL ESQUELETO DE LA APLICACIÓN

- Sin parámetros

```
C:\Users\edwar.lozano\Desktop\LAB2-CVDS\CVDS-LAB2>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.concrete.ShapeMain"
```

```
Parameter of type RegularShapeType is required.
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 18.032 s
[INFO] Finished at: 2022-02-02T09:27:39-05:00
[INFO] -----
```

- Parámetro: qwerty

```
C:\Users\edwar.lozano\Desktop\LAB2-CVDS\CVDS-LAB2>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.concrete.ShapeMain" -Dexec.args="qwerty"
[INFO] Scanning for projects...
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0.0
[INFO] -----[ jar ]-----
[INFO] --- exec-maven-plugin:3.0.0:java (default-cli) @ Patterns ---
Parameter 'qwerty' is not a valid RegularShapeType
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.714 s
[INFO] Finished at: 2022-02-02T09:30:31-05:00
[INFO] -----
```

- Parámetro: pentagon

```
C:\Users\edwar.lozano\Desktop\LAB2-CVDS\CVDS-LAB2>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.concrete.ShapeMain" -Dexec.args="pentagon"
[INFO] Scanning for projects...
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0.0
[INFO] -----[ jar ]-----
[INFO] --- exec-maven-plugin:3.0.0:java (default-cli) @ Patterns ---
Parameter 'pentagon' is not a valid RegularShapeType
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.702 s
[INFO] Finished at: 2022-02-02T09:31:14-05:00
[INFO] -----
```

- Parámetro: Hexagon

```
C:\Users\edwar.lozano\Desktop\LAB2-CVDS\CVDS-LAB2>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.concrete.ShapeMain" -Dexec.args="Hexagon"
[INFO] Scanning for projects...
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0.0
[INFO] -----[ jar ]-----
[INFO] --- exec-maven-plugin:3.0.0:java (default-cli) @ Patterns ---
Successfully created a Hexagon with 6 sides.
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.672 s
[INFO] Finished at: 2022-02-02T09:32:10-05:00
[INFO] -----
```

Todas las instrucciones se ejecutan, sin embargo, la única que funciona correctamente es la de “Hexagon”, ya que, a diferencia, por ejemplo, de la de “pentagon” esta comienza con una letra mayúscula. La instrucción “qwerty” no funciona debido a que no es un parámetro válido. Además, la primera instrucción no funciona debido a que no cuenta con un parámetro.