

# SALUDO:

- Se ejecuta desde la línea de comando el archetype por defecto:

```
C:\Users\German\Downloads\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.App"
[INFO] Scanning for projects...
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one of
its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apache.org/
maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has e
lapsed or updates are forced
[INFO]
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one of
its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apache.org/
maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has e
lapsed or updates are forced
[INFO]
[INFO] --- exec-maven-plugin:1.6.0:java (default-cli) @ Patterns ---
Hello World!
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.217 s
[INFO] Finished at: 2020-01-28T18:42:13-05:00
[INFO] -----
```

- Se ejecuta desde la línea de comando enviando el nombre como parámetro:

```
C:\Users\german.ospina-q\Documents\Maven\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.App" -Dexec.args="Hello German"
[INFO] Scanning for projects...
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one
of its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apach
e.org/maven2 was cached in the local repository, resolution will not be reattempted until the update interval of cent
ral has elapsed or updates are forced
[INFO]
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one
of its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apach
e.org/maven2 was cached in the local repository, resolution will not be reattempted until the update interval of cent
ral has elapsed or updates are forced
[INFO]
[INFO] --- exec-maven-plugin:1.6.0:java (default-cli) @ Patterns ---
Hello German
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 0.640 s
[INFO] Finished at: 2020-01-25T08:50:43-05:00
[INFO] -----

C:\Users\german.ospina-q\Documents\Maven\Patterns>
```

- Cuando ejecutamos la clase con un nombre y un apellido solamente toma la primera palabra:

```
C:\Users\german.ospina-q\Documents\Maven\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.App" -Dexec.args="Hello German Ospina"
[INFO] Scanning for projects...
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one of its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apache.org/maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has elapsed or updates are forced
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one of its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apache.org/maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has elapsed or updates are forced
[INFO] --- exec-maven-plugin:1.6.0:java (default-cli) @ Patterns ---
Hello German
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.664 s
[INFO] Finished at: 2020-01-25T08:51:43-05:00
[INFO] -----
```

- De esta manera enviamos los parámetros de forma “Compuesta”, usando “ (comillas simples) para el nombre:

```
C:\Users\german.ospina-q\Documents\Maven\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.App" -Dexec.args="Hello 'German Ospina'"
[INFO] Scanning for projects...
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one of its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apache.org/maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has elapsed or updates are forced
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one of its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apache.org/maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has elapsed or updates are forced
[INFO] --- exec-maven-plugin:1.6.0:java (default-cli) @ Patterns ---
Hello German Ospina
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.637 s
[INFO] Finished at: 2020-01-25T08:53:15-05:00
[INFO] -----
```

# FIGURAS:

- Sin parámetros:

```
C:\Users\German\Downloads\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.shapes.ShapeMain"
[INFO] Scanning for projects...
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one of
its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apache.org/
maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has e
lapsed or updates are forced
[INFO]
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one of
its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apache.org/
maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has e
lapsed or updates are forced
[INFO]
[INFO] --- exec-maven-plugin:1.6.0:java (default-cli) @ Patterns ---
Parameter of type RegularShapeType is required.
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.101 s
[INFO] Finished at: 2020-01-28T18:34:05-05:00
[INFO]
[INFO] -----
```

- Parámetro: qwerty

```
C:\Users\German\Downloads\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.shapes.ShapeMain" -Dexec.args="
qwerty"
[INFO] Scanning for projects...
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one of
its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apache.org/
maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has e
lapsed or updates are forced
[INFO]
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one of
its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apache.org/
maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has e
lapsed or updates are forced
[INFO]
[INFO] --- exec-maven-plugin:1.6.0:java (default-cli) @ Patterns ---
Parameter 'qwerty' is not a valid RegularShapeType
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.116 s
[INFO] Finished at: 2020-01-28T18:36:26-05:00
[INFO]
[INFO] -----
```

- Parámetro: pentagon

```
C:\Users\German\Downloads\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.shapes.ShapeMain" -Dexec.args="pentagon"
[INFO] Scanning for projects...
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one of its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apache.org/maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has elapsed or updates are forced
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one of its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apache.org/maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has elapsed or updates are forced
[INFO] --- exec-maven-plugin:1.6.0:java (default-cli) @ Patterns ---
Parameter 'pentagon' is not a valid RegularShapeType
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 1.392 s
[INFO] Finished at: 2020-01-28T18:37:32-05:00
[INFO] -----
```

- Parámetro: Hexagon

```
C:\Users\German\Downloads\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.shapes.ShapeMain" -Dexec.args="Hexagon"
[INFO] Scanning for projects...
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one of its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apache.org/maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has elapsed or updates are forced
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[WARNING] The POM for edu.eci.cvds:Patterns:jar:1.8 is missing, no dependency information available
[WARNING] Failed to retrieve plugin descriptor for edu.eci.cvds:Patterns:1.8: Plugin edu.eci.cvds:Patterns:1.8 or one of its dependencies could not be resolved: Failure to find edu.eci.cvds:Patterns:jar:1.8 in https://repo.maven.apache.org/maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has elapsed or updates are forced
[INFO] --- exec-maven-plugin:1.6.0:java (default-cli) @ Patterns ---
Successfully created a Hexagon with 6 sides.
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 1.142 s
[INFO] Finished at: 2020-01-28T18:38:23-05:00
[INFO] -----
```

- ¿Cuál(es) de las anteriores instrucciones se ejecutan y funcionan correctamente y por qué?
  - Sin parámetros: se ejecuta normalmente, pero al no haber ningún argumento nos dice que se requiere insertar uno.
  - Parámetro: qwerty: Se ejecuta normalmente, pero al no estar en la enumeración lanza la excepción **"IllegalArgumentException"** que imprime el mensaje correspondiente.
  - Parámetro: pentagon: Se ejecuta normalmente, pero al no estar en la enumeración lanza la excepción **"IllegalArgumentException"** que imprime el mensaje correspondiente.
  - Parámetro: Hexagon: Se ejecuta y funciona normalmente al estar en la enumeración y también por ser un único parámetro.