

Se agrega un argumento World en el pom.xml

```
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>exec-maven-plugin</artifactId>
  <version>1.3.2</version>
  <executions>
    <execution>
      <goals>
        <goal>java</goal>
      </goals>
    </execution>
  </executions>
  <configuration>
    <mainClass>edu.eci.cvds.patterns.App</mainClass>
    <arguments>
      <argument>world</argument>
    </arguments>
    <systemProperties>
      <systemProperty>
        <key>jvmProperty1</key>
        <value>dev</value>
      </systemProperty>
    </systemProperties>
  </configuration>
</plugin>
```

Se modifica el App.java

```
package edu.eci.cvds.patterns;

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

Se ejecuta en consola enviando parámetro :

```
C:\Users\José\Patterns>mvn exec:java -Dexec.mainClass="com.example.Main" -Dexec.args="Jose"
[INFO] Scanning for projects...
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0.0
[INFO] -----[ jar ]-----
[INFO] --- exec-maven-plugin:1.3.2:java (default-cli) @ Patterns ---
[WARNING] Warning: killAfter is now deprecated. Do you need it ? Please comment on MEXEC-6.
Hello Jose!
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 1.735 s
[INFO] Finished at: 2020-08-18T19:07:47-05:00
[INFO] -----
```

Se ejecuta sin enviar un parámetro:

```
C:\Users\José\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.App"
[INFO] Scanning for projects...
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0.0
[INFO] -----[ jar ]-----
[INFO] --- exec-maven-plugin:1.3.2:java (default-cli) @ Patterns ---
[WARNING] Warning: killAfter is now deprecated. Do you need it ? Please comment on MEXEC-6.
Hello world!
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 1.017 s
[INFO] Finished at: 2020-08-18T19:09:54-05:00
[INFO] -----
```

Para colocar nombre y apellido se coloca un parámetro más en el pom y se modifica el App:

```
C:\Users\José\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.App" -Dexec.args="Jose Castro"
[INFO] Scanning for projects...
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0.0
[INFO] -----[ jar ]-----
[INFO] --- exec-maven-plugin:1.3.2:java (default-cli) @ Patterns ---
[WARNING] Warning: killAfter is now deprecated. Do you need it ? Please comment on MEXEC-6.
Hello Jose Castro!
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 1.408 s
[INFO] Finished at: 2020-08-18T19:33:11-05:00
[INFO] -----
C:\Users\José\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.App" -Dexec.args="Jose Castro"
```

HACIENDO ESQUELETO

Ejecute múltiples veces la clase `ShapeMain`, usando el plugin `exec` de maven con los siguientes parámetros y verifique la salida en consola para cada una:

- Sin parámetros:

```
C:\Users\José\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.shapes.ShapeMain"
[INFO] Scanning for projects...
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0.0
[INFO] -----[ jar ]-----
[INFO] --- exec-maven-plugin:1.3.2:java (default-cli) @ Patterns ---
[WARNING] Warning: killAfter is now deprecated. Do you need it ? Please comment on MEXEC-6.
Parameter of type RegularShapeType is required.
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.990 s
[INFO] Finished at: 2020-08-18T20:31:22-05:00
[INFO] -----
```

- Parámetro: qwerty

```
C:\Users\José\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.shapes.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:1.3.2:java (default-cli) @ Patterns ---
[WARNING] Warning: killAfter is now deprecated. Do you need it ? Please comment on MEXEC-6.
Parameter 'qwerty' is not a valid RegularShapeType
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 1.244 s
[INFO] Finished at: 2020-08-18T20:33:41-05:00
[INFO] -----
```

- Parámetro: pentagon

```
C:\Users\José\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.shapes.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:1.3.2:java (default-cli) @ Patterns ---
[WARNING] Warning: killAfter is now deprecated. Do you need it ? Please comment on MEXEC-6.
Parameter 'pentagon' is not a valid RegularShapeType
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.995 s
[INFO] Finished at: 2020-08-18T20:34:39-05:00
[INFO] -----
```

- Parámetro Hexagon

```
C:\Users\José\Patterns>mvn exec:java -Dexec.mainClass="edu.eci.cvds.patterns.shapes.ShapeMain" -Dexec.args="Hexagon"
[INFO] Scanning for projects...
[INFO]
[INFO] -----< edu.eci.cvds:Patterns >-----
[INFO] Building Patterns 1.0.0
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- exec-maven-plugin:1.3.2:java (default-cli) @ Patterns ---
[WARNING] Warning: killAfter is now deprecated. Do you need it ? Please comment on MEXEC-6.
Successfully created a Hexagon with 6 sides.
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.948 s
[INFO] Finished at: 2020-08-18T20:35:43-05:00
[INFO] -----
```

¿Cuál(es) de las anteriores instrucciones se ejecutan y funcionan correctamente y por qué?

Solamente funcionan correctamente con el parámetro Hexagon ya que los otros parámetros no están enumerados en la clase RegularShapeType