

# BRM LAB-8

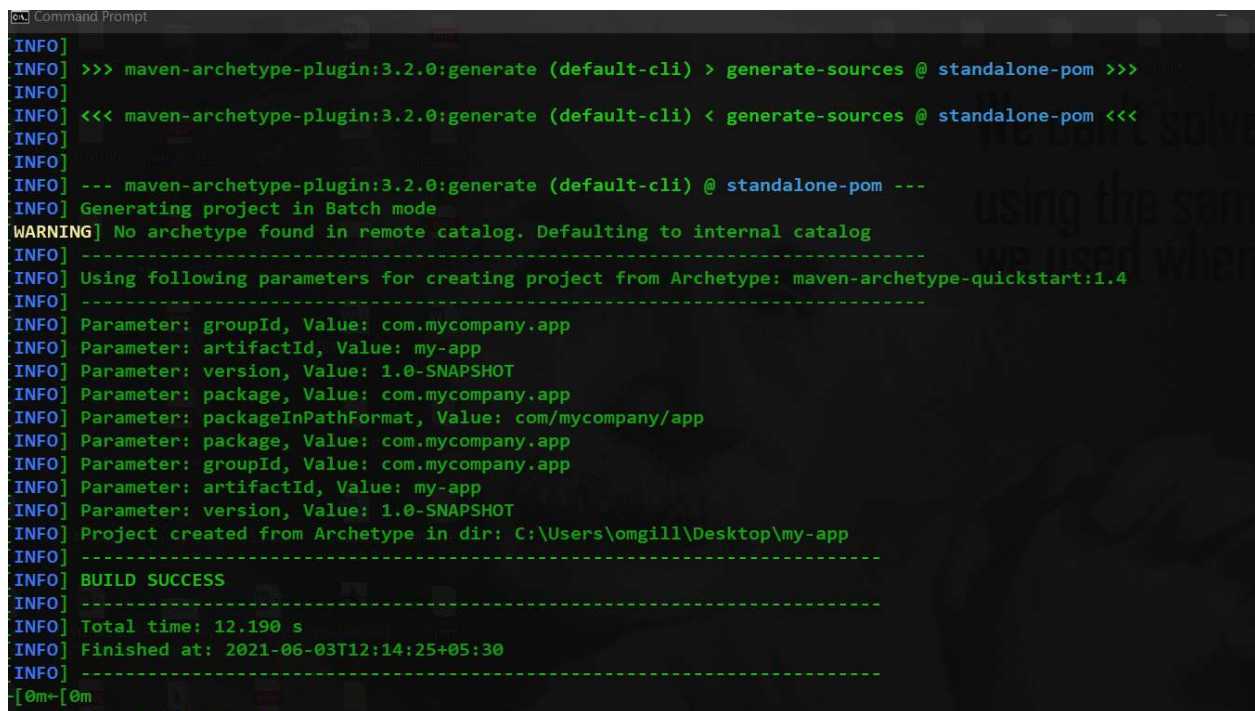
**AIM:** building with maven build profile

Step1:

Create a maven project with cli

Command:

```
mvn archetype:generate "-DgroupId=com.mycompany.app "  
"-DartifactId=my-app" "-DarchetypeArtifactId=maven-archetype-quickstart" "  
-DarchetypeVersion=1.4 -DinteractiveMode=false"
```



```
Command Prompt  
[INFO] >>> maven-archetype-plugin:3.2.0:generate (default-cli) > generate-sources @ standalone-pom >>>  
[INFO] <<< maven-archetype-plugin:3.2.0:generate (default-cli) < generate-sources @ standalone-pom <<<  
[INFO] --- maven-archetype-plugin:3.2.0:generate (default-cli) @ standalone-pom ---  
[INFO] Generating project in Batch mode  
[WARNING] No archetype found in remote catalog. Defaulting to internal catalog  
[INFO] -----  
[INFO] Using following parameters for creating project from Archetype: maven-archetype-quickstart:1.4  
[INFO] -----  
[INFO] Parameter: groupId, Value: com.mycompany.app  
[INFO] Parameter: artifactId, Value: my-app  
[INFO] Parameter: version, Value: 1.0-SNAPSHOT  
[INFO] Parameter: package, Value: com.mycompany.app  
[INFO] Parameter: packageInPathFormat, Value: com/mycompany/app  
[INFO] Parameter: package, Value: com.mycompany.app  
[INFO] Parameter: groupId, Value: com.mycompany.app  
[INFO] Parameter: artifactId, Value: my-app  
[INFO] Parameter: version, Value: 1.0-SNAPSHOT  
[INFO] Project created from Archetype in dir: C:\Users\omgill\Desktop\my-app  
[INFO] -----  
[INFO] BUILD SUCCESS  
[INFO] -----  
[INFO] Total time: 12.190 s  
[INFO] Finished at: 2021-06-03T12:14:25+05:30  
[INFO] -----  
[0m-[0m
```

Step2:

Edit POM.xml file with following code:

```
<profiles> <profile>

<id>BRM</id>

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-antrun-plugin</artifactId>

<version>1.1</version>

<executions> <execution>

<phase>test</phase> <goals>

<goal>run</goal>

</goals> <configuration>

<tasks>

<echo>Copying file</echo> <copy file="src/main/resources/Hello.txt"
tofile="src/CopiedHello.txt"/>

</tasks>

</configuration>
```

</execution>

</executions>

</plugin>

</plugins>

</build>

</profile>

</profiles>

```
--[0m--[0m
C:\Users\omgill\Desktop>cd my-app

C:\Users\omgill\Desktop\my-app>mvn test -PBRM
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany.app:my-app >-----
[INFO] Building my-app 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.1/maven-antrun-plugin-1.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.1/maven-antrun-plugin-1.1.pom (1.2 kB at 715 B/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugin-parent/2.0.1/maven-plugin-parent-2.0.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugin-parent/2.0.1/maven-plugin-parent-2.0.1.pom (7.4 kB at 21 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.1/maven-antrun-plugin-1.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.1/maven-antrun-plugin-1.1.jar (12 kB at 32 kB/s)
[INFO]
[INFO] --- maven-resources-plugin:3.0.2:resources (default-resources) @ my-app ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\Users\omgill\Desktop\my-app\src\main\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:compile (default-compile) @ my-app ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to C:\Users\omgill\Desktop\my-app\target\classes
```

```

[INFO] --- maven-compiler-plugin:3.8.0:testCompile (default-testCompile) @ my-app ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:2.22.1:test (default-test) @ my-app ---
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running com.mycompany.app.AppTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.054 s - in com.mycompany.app.AppTest
[INFO] Results:
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO] --- maven-antrun-plugin:1.1:run (default) @ my-app ---
[INFO] Executing tasks
[echo] Copying file
[copy] Copying 1 file to C:\Users\omgill\Desktop\my-app\src
[INFO] Executed tasks
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 3.250 s
[INFO] Finished at: 2021-06-03T12:47:40+05:30
[INFO] -----

```

## OUTPUT:

Name	Date modified	Type	Size
main	03/06/2021 12.47	File folder	
test	03/06/2021 12.14	File folder	
CopiedHello.txt	03/06/2021 12.47	Text Document	1 KB