


EXPERIMENT - 6

NAME: **SUNNY RAJ**
ROLL NO: **R171219036**
SAP ID: **500075877**
BATCH: **DEVOPS**
SEMESTER: **4**

AIM: Create a simple Maven Project using CLI.

 Command Prompt

```
Microsoft Windows [Version 10.0.18363.1139]
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C:\Users\Asus>mvn --version
Apache Maven 3.6.3 (cecedd343002696d0abb50b32b541b8a6ba2883f)
Maven home: C:\Program Files\apache-maven-3.6.3-bin\apache-maven-3.6.3\bin\..
Java version: 11.0.9, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jdk-11.0.9
Default locale: en_IN, platform encoding: Cp1252
OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"
```

Creating a Project

You will need somewhere for your project to reside, create a directory somewhere and start a shell in that directory. On your command line, execute the following Maven goal.

Go into the workspace, and run the command

```
"Mav archetype:generate -DgroupId=com.mycompany.app -DartifactId=BRM_LAB6_CLI
-DarchetypeArtifactId=maven-archetype-quickstart -DarchetypeVersion=1.4
-DinteractiveMode=false"
```

```

D:\Eclipse\Workspace>mvn archetype:generate -DgroupId=com.mycompany.app -DartifactId=BRM_LAB6_2021 -DarchetypeArtifactId=maven-archetype-quickstart -DarchetypeVersion=1.4 -DinteractiveMode=false
[INFO] Scanning for projects...
[INFO] -----< org.apache.maven:standalone-pom >-----
[INFO] Building Maven Stub Project (No POM) 1
[INFO] -----[ pom ]-----
[INFO]
[INFO] >>> mvn-archetype-plugin:3.2.0:generate (default-cli) > generate-sources @ standalone-pom >>>
[INFO]
[INFO] <<< mvn-archetype-plugin:3.2.0:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO]
[INFO] --- mvn-archetype-plugin:3.2.0:generate (default-cli) @ standalone-pom ---
[INFO] Generating project in Batch mode
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.4/maven-archetype-quickstart-1.4.pom
[INFO] 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 3.1 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-bundles/1.4/maven-archetype-bundles-1.4.pom
[INFO] 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 9.7 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.4/maven-archetype-quickstart-1.4.jar
[INFO] 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 16 kB/s)
[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: BRM_LAB6_2021
[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: BRM_LAB6_2021
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] Project created from Archetype in dir: D:\Eclipse\Workspace\BRM_LAB6_2021
[INFO]
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 24.226 s
[INFO] Finished at: 2021-03-18T10:22:31+05:30
[INFO] -----

```

4. Running the java code from the project

```
D:\Eclipse\Workspace\BRM_LAB6_2021>java -cp target\BRM_LAB6_2021-1.0-SNAPSHOT.jar com.mycompany.app.App
Hello World!

D:\Eclipse\Workspace\BRM_LAB6_2021>
```

RESULT: Thus, successfully, created a maven project through CLI.