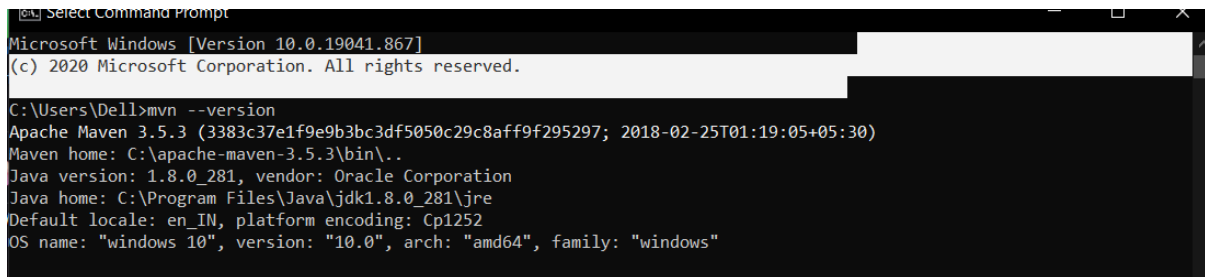# LAB EXPERIMENT -6

AIM - Creating Maven sample project using CLI

1.Always check for version of maven and Java installed in the system using command
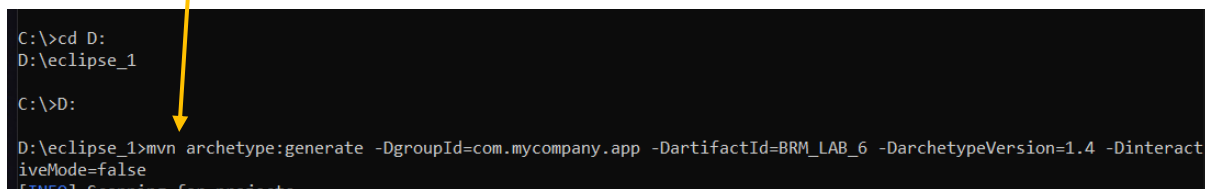
"mvn --version"

```
Select Command Prompt                                              —    □    X
Microsoft Windows [Version 10.0.19041.867]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Dell>mvn --version
Apache Maven 3.5.3 (3383c37e1f9e9b3bc3df5050c29c8aff9f295297; 2018-02-25T01:19:05+05:30)
Maven home: C:\apache-maven-3.5.3\bin\..
Java version: 1.8.0_281, vendor: Oracle Corporation
Java home: C:\Program Files\Java\jdk1.8.0_281\jre
Default locale: en_IN, platform encoding: Cp1252
OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"
```
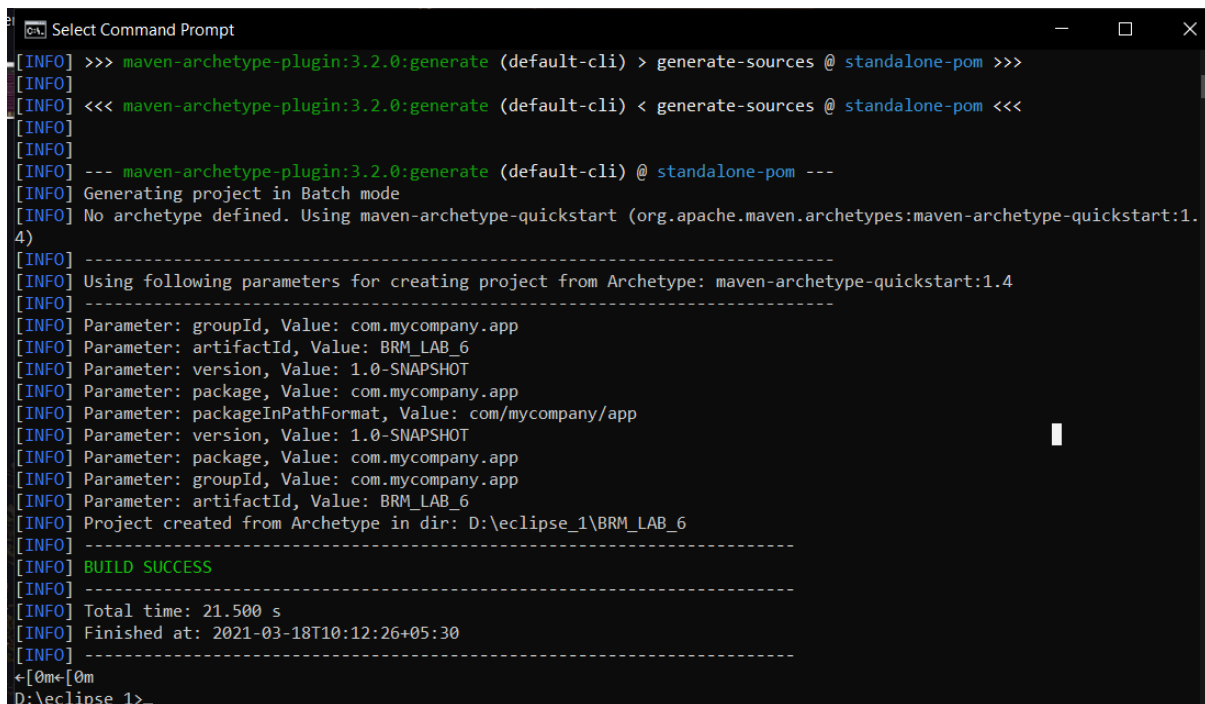
2.Shift to your workspace and provide that path in your respective cmd and then folder with the respective command shown below (here we are using project by default created in maven)

```
C:\>cd D:
D:\eclipse_1

C:\>D:

D:\eclipse_1>mvn archetype:generate -DgroupId=com.mycompany.app -DartifactId=BRM_LAB_6 -DarchetypeVersion=1.4 -Dinteract
iveMode=false
```

3.After this a folder will be created and there will be a java program to print "Hello World!"

```
Select Command Prompt                                              —    □    X
[INFO] >>> maven-archetype-plugin:3.2.0:generate (default-cli) > generate-sources @ standalone-pom >>>
[INFO]
[INFO] <<< maven-archetype-plugin:3.2.0:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO]
[INFO]
[INFO] --- maven-archetype-plugin:3.2.0:generate (default-cli) @ standalone-pom ---
[INFO] Generating project in Batch mode
[INFO] No archetype defined. Using maven-archetype-quickstart (org.apache.maven.archetypes:maven-archetype-quickstart:1.
4)
[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_LAB_6
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] Parameter: package, Value: com.mycompany.app
[INFO] Parameter: packageInPathFormat, Value: com/mycompany/app
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] Parameter: package, Value: com.mycompany.app
[INFO] Parameter: groupId, Value: com.mycompany.app
[INFO] Parameter: artifactId, Value: BRM_LAB_6
[INFO] Project created from Archetype in dir: D:\eclipse_1\BRM_LAB_6
[INFO] ----------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ----------------------------------------------------------------------------
[INFO] Total time: 21.500 s
[INFO] Finished at: 2021-03-18T10:12:26+05:30
[INFO] ----------------------------------------------------------------------------
←[0m←[0m
D:\eclipse_1>
```

4.Move to your respective folder created here it is "BRM_LAB_6" and run command "mvn package"(test included in this)

5.Runnig the java prog.

6.Creating site for info of this project by command "mvn site"

7.Respective site e.g.

BRM_LAB_6

Project Documentation
- ▼ Project Information
  - Dependencies
  - **Dependency Information**
  - About
  - Plugin Management
  - Plugins
  - Summary

Built by:
maven

Dependency Information

Apache Maven

```
<dependency>
  <groupId>com.mycompany.app</groupId>
  <artifactId>BRM_LAB_6</artifactId>
  <version>1.0-SNAPSHOT</version>
</dependency>
```

Apache Buildr

```
'com.mycompany.app:BRM_LAB_6:jar:1.0-SNAPSHOT'
```

Apache Ivy

```
<dependency org="com.mycompany.app" name="BRM_LAB_6" rev="1.0-SNAPSHOT">
  <artifact name="BRM_LAB_6" type="jar" />
</dependency>
```