EXPERIMENT 6

Aim: Create a simple Maven Project using Command Line Interface (CLI)

First, download Maven and follow the installation instructions.

After that, type the following in a terminal or in a command prompt:

```
C:\Users\Pranit Gupta>mvn --version

Apache Maven 3.5.0 (ff8f5e7444045639af65f6095c62210b5713f426; 2017-04-04T01:09:06+05:30)

Maven home: C:\Program Files\apache-maven-3.5.0\bin\..

Java version: 1.8.0_271, vendor: Oracle Corporation

Java home: C:\Program Files\Java\jdk1.8.0_271\jre

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:

```
| Company | Comp
```

CHANGE DIRECTORY TO THE FOLDER OF YOUR PROJECT

cd my-app

THE POM

We need to change the pom.xml for building the project

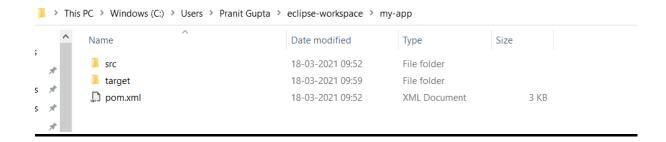
```
cyclect white*hith encodings*UTF-8*T>
cyclect white*hith//naven.apache.org/PSM/4.0.0* whith:xisi="http://naven.apache.org/PSM/4.0.0* whith:xisi="http://naven.apache.org/PSM/4.0.0* whith:xisi="http://naven.apache.org/sad/maven-4.0.0.xad">
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cyclect.org/sad/maven-4.0.0* made/sad/maven-4.0.0* made/sad/maven-4
```

```
<plugin>
         <artifactId>maven-surefire-plugin</artifactId>
         <version>2.22.1
       <plugin>
         <artifactId>maven-jar-plugin</artifactId>
<version>3.0.2</version>
        </plugin>
       <version>2.5.2</version>
</plugin>
       <plugin>
    <artifactId>maven-deploy-plugin</artifactId>
         <version>2.8.2
        </plugin>
<!-- site lifecycle, see https://maven.apache.org/ref/current/maven-core/lifecycles.html#site_Lifecycle -->
        <plugin>
          <artifactId>maven-site-plugin</artifactId>
         <version>3.7.1
       <plugin>
         ~artifactId>maven-project-info-reports-plugin</artifactId>
<version>3.0.0</version>
        </plugin>
    </pluginManagement>
  </build>
-</project>
```

BUILD THE PROJECT

```
Downloaded: https://repo.asven.apache.org/saven//backport-util-concurrent/backport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-util-concurrent/Jackport-Util-concurrent/Jackport-Jackport-Util-concurrent/Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-Jackport-J
```

FOLDER VIEW AFTER BUILDING THE PROJECT



DEFAULT CODE IN com.myCompany.app.App

```
App-Notepad
File Edit Format View Help
package com.mycompany.app;

/**

* Hello world!

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

OUTPUT OF CODE

C:\Users\Pranit Gupta\eclipse-workspace\my-app>java -cp target/my-app-1.0-SNAPSHOT.jar com.mycompany.app.App Hello World!

C:\Users\Pranit Gupta\eclipse-workspace\my-app>