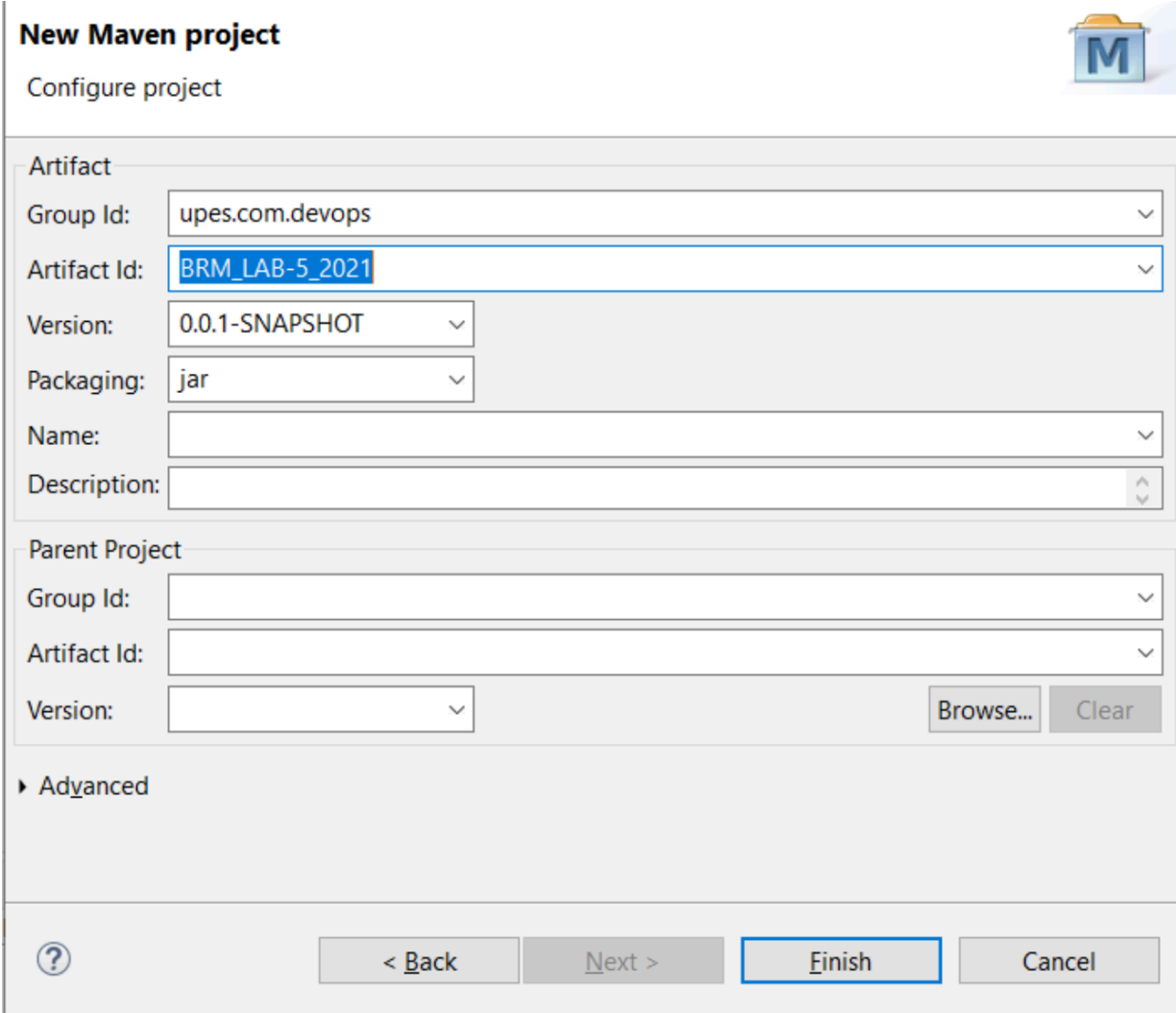# EXPERIMENT 5

Aim: Install and Manage Maven Plugin using Eclipse Install Site Plugin and use "mvn site" command and goal for generating documents for Maven Project using Eclipse.

CREATING A SIMPLE MAVEN PROJECT

CREATE A CLASS WITH FOLLOWING CODE IN MAVEN PROJECT

```java
public class MyClass {

    public void f1() {

    }

    public void f2() {

    }

    public static void main(String[] args) {
        System.out.println("Hello Maven Site");
    }
}
```

Edit pom.xml with the following code:

```xml
<project xmlns="maven.apache.org/POM/4.0.0" xmlns:xsi="w3.org/2001/XMLSchema-inst
<modelVersion>4.0.0</modelVersion>
<groupId>document</groupId>
<artifactId>MvnSite</artifactId>
<version>0.0.1-SNAPSHOT</version>
<properties>
<maven.compiler.source>1.8</maven.compiler.source>
<maven.compiler.target>1.8</maven.compiler.target>
</properties>
<build>
<pluginManagement>
<plugins>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-site-plugin</artifactId>
<version>3.7.1</version>
</plugin>
</plugins>
</pluginManagement>
</build>
</project>
```

Run Maven Goals:

Clean :

```
<terminated> /Library/Java/JavaVirtualMachines/jdk-13.0.2.jdk/Contents/Home/bin/java (25-Mar-2021, 9:17:10 am)
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.SimpleLoggerFactory]
[INFO] Scanning for projects...
[INFO]
[INFO] ---------------------------< document:MvnSite >---------------------------
[INFO] Building MvnSite 0.0.1-SNAPSHOT
[INFO] --------------------------------[ jar ]---------------------------------
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ MvnSite ---
[INFO] Deleting /Users/sarthak/eclipse-workspace/BRM_LAB_5/target
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  0.167 s
[INFO] Finished at: 2021-03-25T09:17:12+05:30
[INFO] ------------------------------------------------------------------------
```
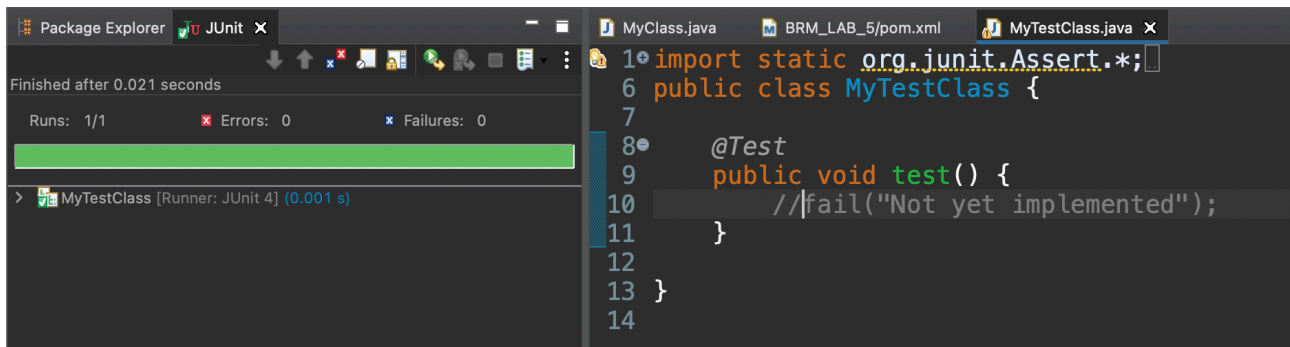
Install :

```
<terminated> /Library/Java/JavaVirtualMachines/jdk-13.0.2.jdk/Contents/Home/bin/java (25-Mar-2021, 9:17:35 am)
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ MvnSite ---
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ MvnSite ---
[INFO] Building jar: /Users/sarthak/eclipse-workspace/BRM_LAB_5/target/MvnSite-0.0.1-SNAPSHOT
[INFO] META-INF/maven/document/MvnSite/pom.xml already added, skipping
[INFO] META-INF/maven/document/MvnSite/pom.properties already added, skipping
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ MvnSite ---
[INFO] Installing /Users/sarthak/eclipse-workspace/BRM_LAB_5/target/MvnSite-0.0.1-SNAPSHOT.ja
[INFO] Installing /Users/sarthak/eclipse-workspace/BRM_LAB_5/pom.xml to /Users/sarthak/.m2/re
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  1.586 s
[INFO] Finished at: 2021-03-25T09:17:38+05:30
[INFO] ------------------------------------------------------------------------
```
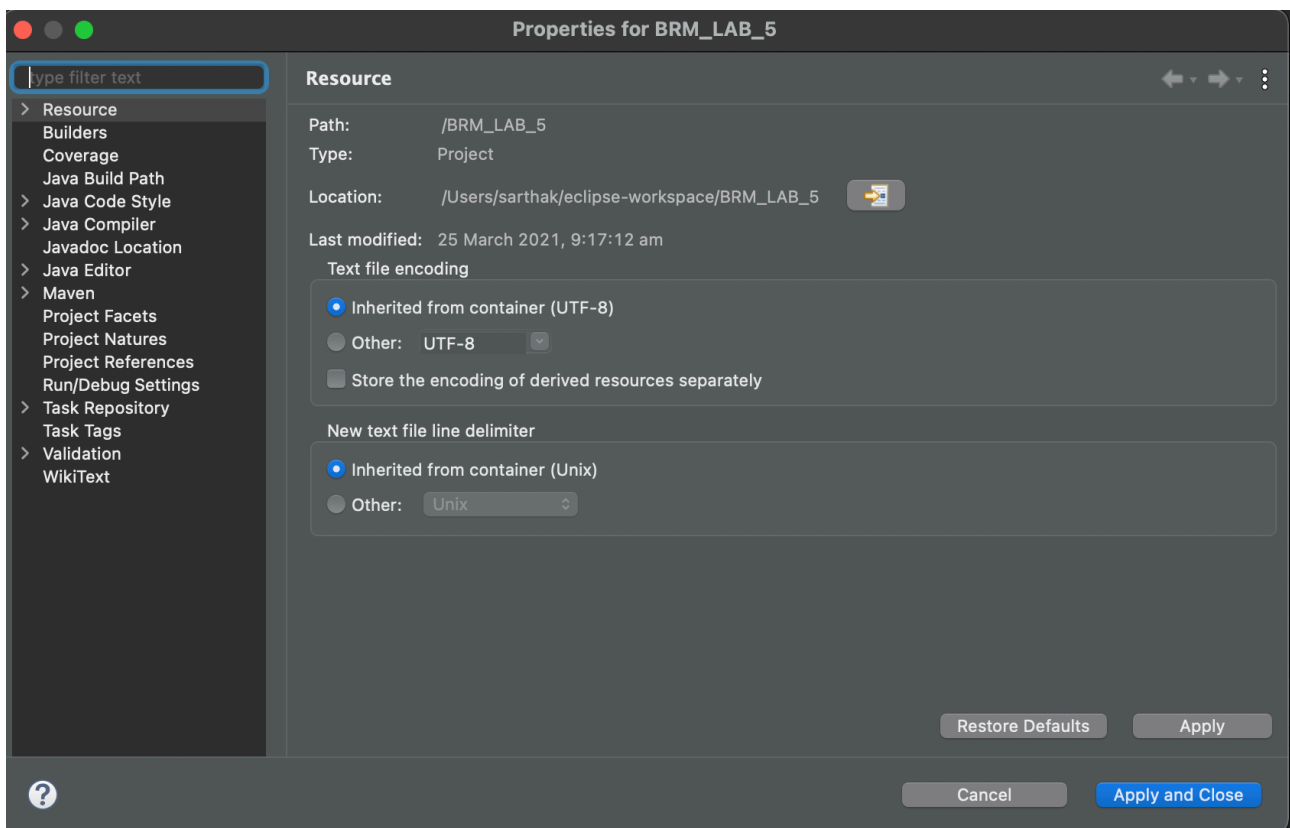
Site :

```
<terminated> BRM_LAB_5 (1) [Maven Build] /Library/Java/JavaVirtualMachines/jdk-13.0.2.jdk/Contents/Home/bin/java  (25-Mar-2021, 9:18:14 am – 9:21:06 am)
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/2.8/
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/2.8/m
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-release-plugin/2.5.3/m
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-release-plugin/2.5.3/ma
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/release/maven-release/2.5.3/maven-re
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/release/maven-release/2.5.3/maven-rel
[INFO] Generating "Plugins" report           --- maven-project-info-reports-plugin:3.1.1:plugins
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/2.7/mave
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/2.7/maver
[INFO] Generating "Summary" report           --- maven-project-info-reports-plugin:3.1.1:summary
[INFO] ------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------
[INFO] Total time:  02:49 min
[INFO] Finished at: 2021-03-25T09:21:05+05:30
[INFO] ------------------------------------------------------------------
```
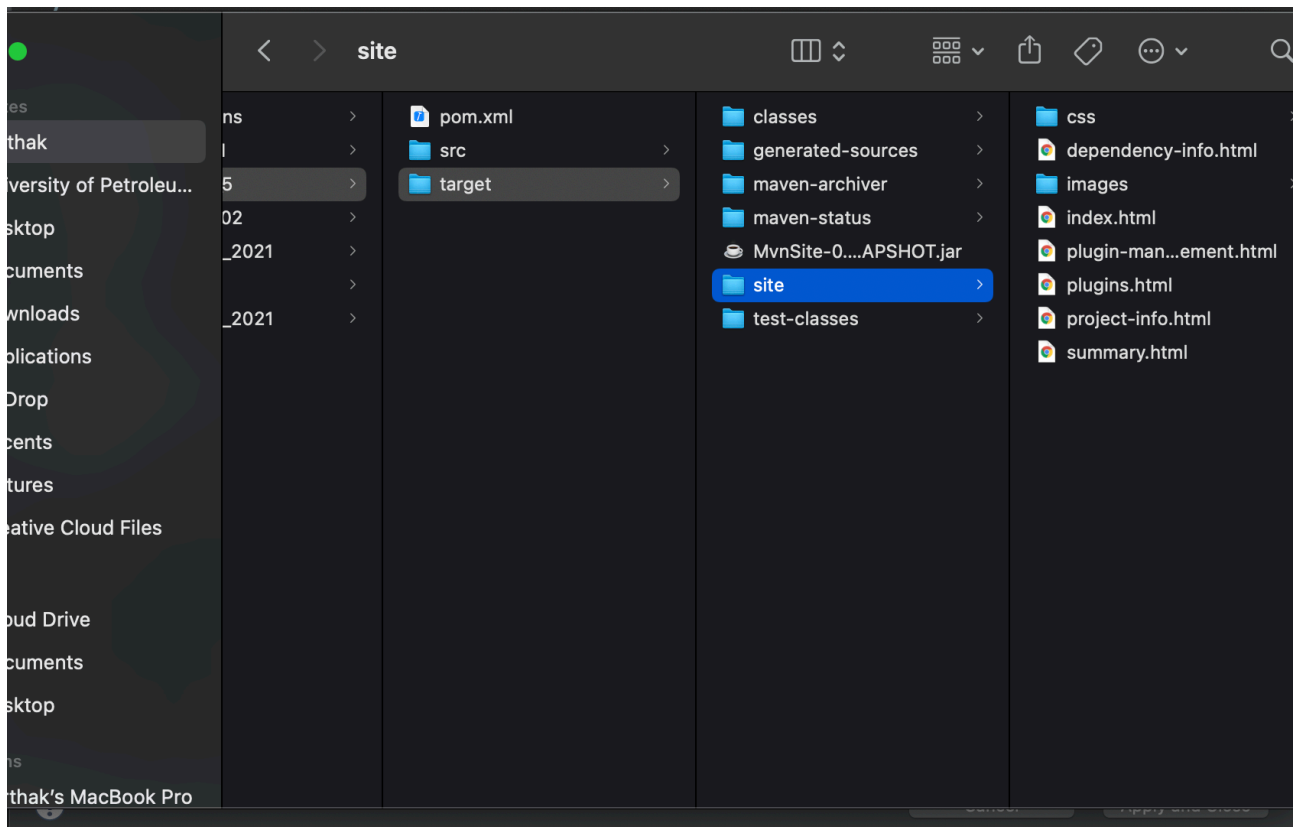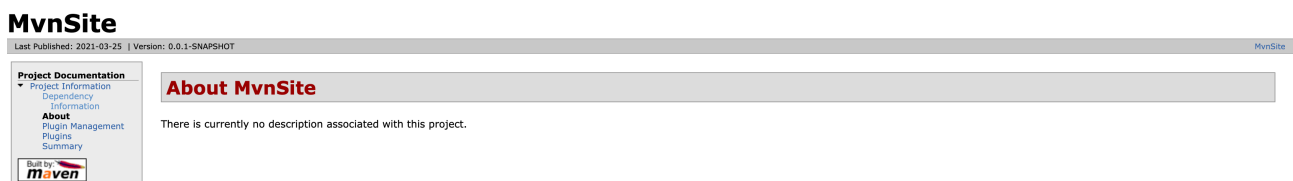
ADD JUNIT TESTING CODE

Right Click on the Project and Click the Icon next to the project location :

Open the target folder, then the site folder and locate index.html

This displays the site you just created

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

Built by
maven

Project Summary

Project Information

Field	Value
Name	MvnSite
Description	-
Homepage	-

Project Organization

This project does not belong to an organization.

Build Information

Field	Value
GroupId	document
ArtifactId	MvnSite
Version	0.0.1-SNAPSHOT
Type	jar
Java Version	1.8

,

Gradle/Grails

```
compile 'document:MvnSite:0.0.1-SNAPSHOT'
```

Project Documentation
- Project Information
  - Dependency Information
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  - **Plugin Management**
  - Plugins
  - Summary

Built by
maven

Project Plugin Management

GroupId	ArtifactId	Version
org.apache.maven.plugins	maven-antrun-plugin	1.3
org.apache.maven.plugins	maven-assembly-plugin	2.2-beta-5
org.apache.maven.plugins	maven-dependency-plugin	2.8
org.apache.maven.plugins	maven-release-plugin	2.5.3
org.apache.maven.plugins	maven-site-plugin	3.7.1

Project Documentation
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  - **Plugins**
  - Summary

Built by
maven

Project Build Plugins

GroupId	ArtifactId	Version
org.apache.maven.plugins	maven-clean-plugin	2.5
org.apache.maven.plugins	maven-compiler-plugin	3.1
org.apache.maven.plugins	maven-deploy-plugin	2.7
org.apache.maven.plugins	maven-install-plugin	2.4
org.apache.maven.plugins	maven-jar-plugin	2.4
org.apache.maven.plugins	maven-resources-plugin	2.6
org.apache.maven.plugins	maven-site-plugin	3.7.1
org.apache.maven.plugins	maven-surefire-plugin	2.12.4

Project Report Plugins

GroupId	ArtifactId	Version
org.apache.maven.plugins	maven-project-info-reports-plugin	3.1.1