Build and Release Management Lab Experiment 5

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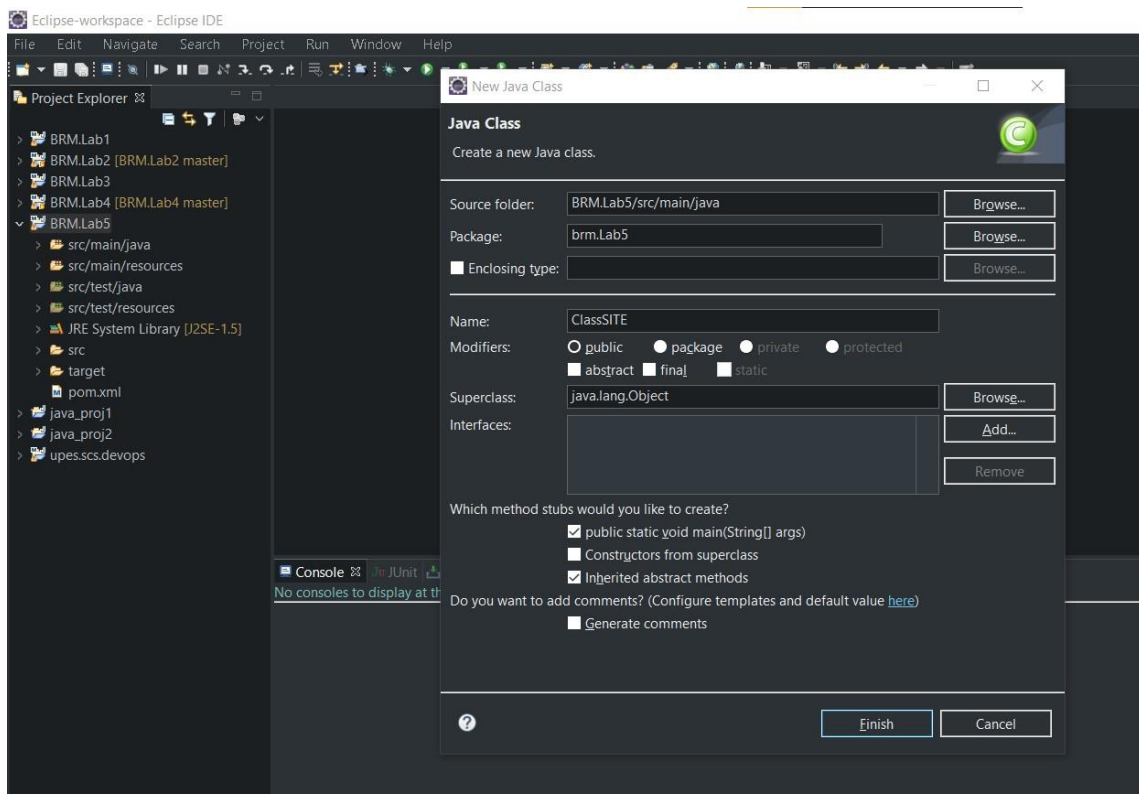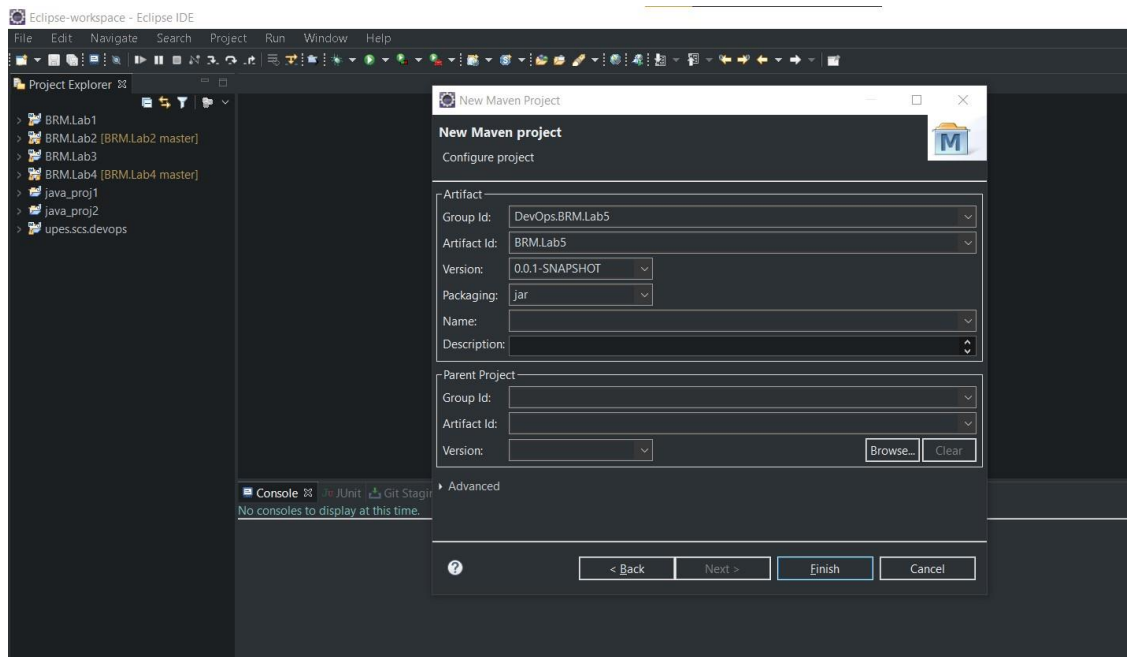
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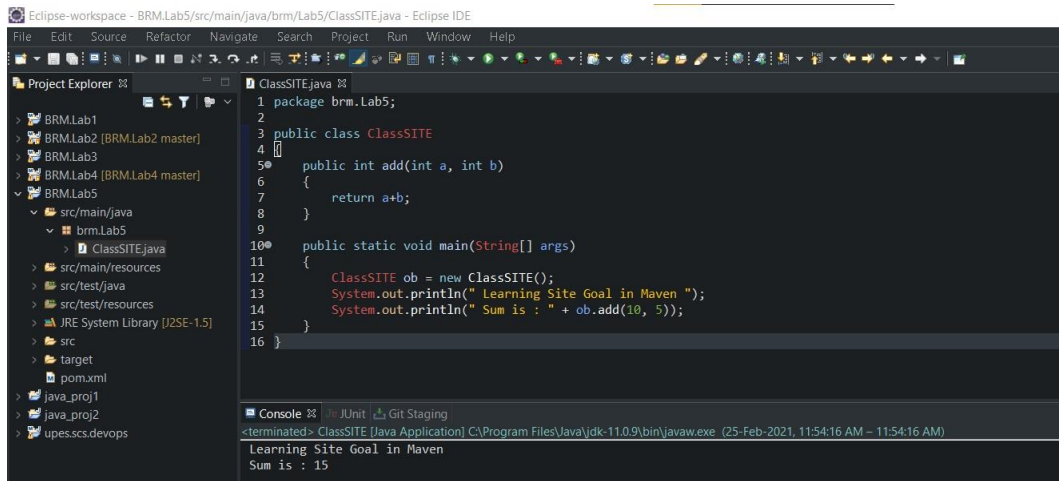
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Aim: Create a maven project with a java class & a junit test case and run the project with the goal site to generate a web documentation of the project.

Step 1: Create a Maven project and a Java Class in it and add some java code in the class file.

Step 2: Now add the following dependencies and plugins in the "prom.xml" file in the project folder.

```xml
<build>
      <pluginManagement>
            <plugins>
                  <plugin>
                        <groupId>org.apache.maven.plugins</groupId>
                        <artifactId>maven-site-plugin</artifactId>
                        <version>3.7.1</version>
                  </plugin>
            </plugins>
      </pluginManagement>
 </build>

<dependencies>
      <dependency>
            <groupId>junit</groupId>
            <artifactId>junit</artifactId>
            <version>4.13</version>
            <scope>test</scope>
      </dependency>
</dependencies>
```
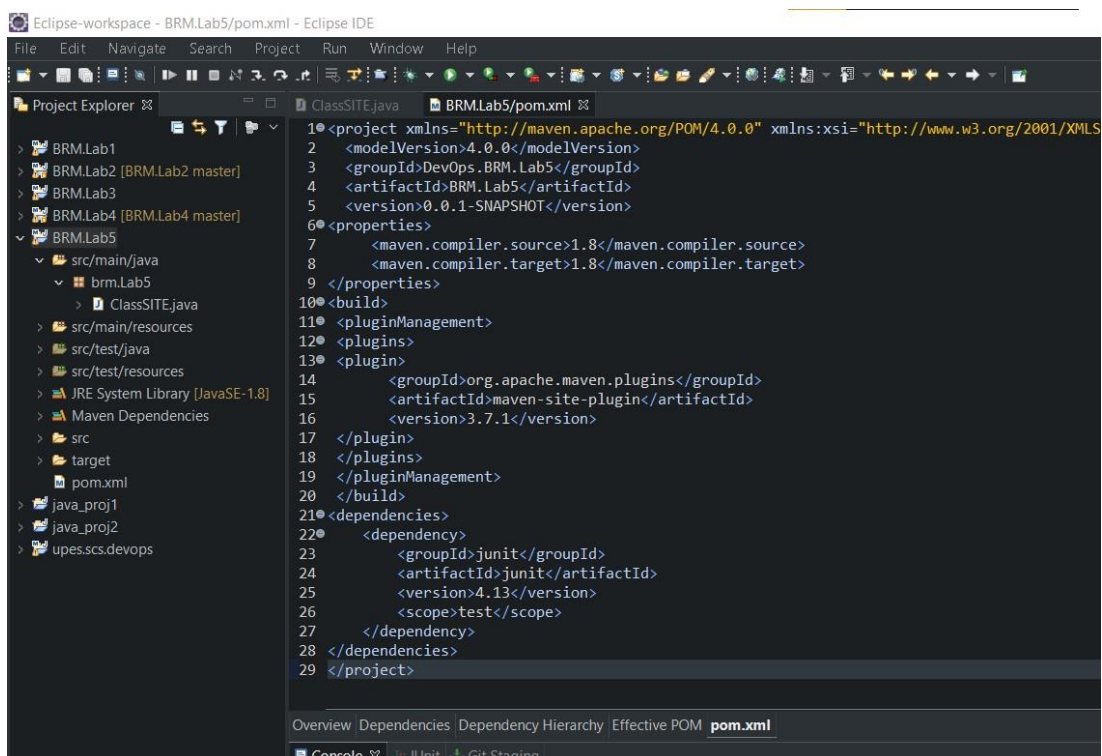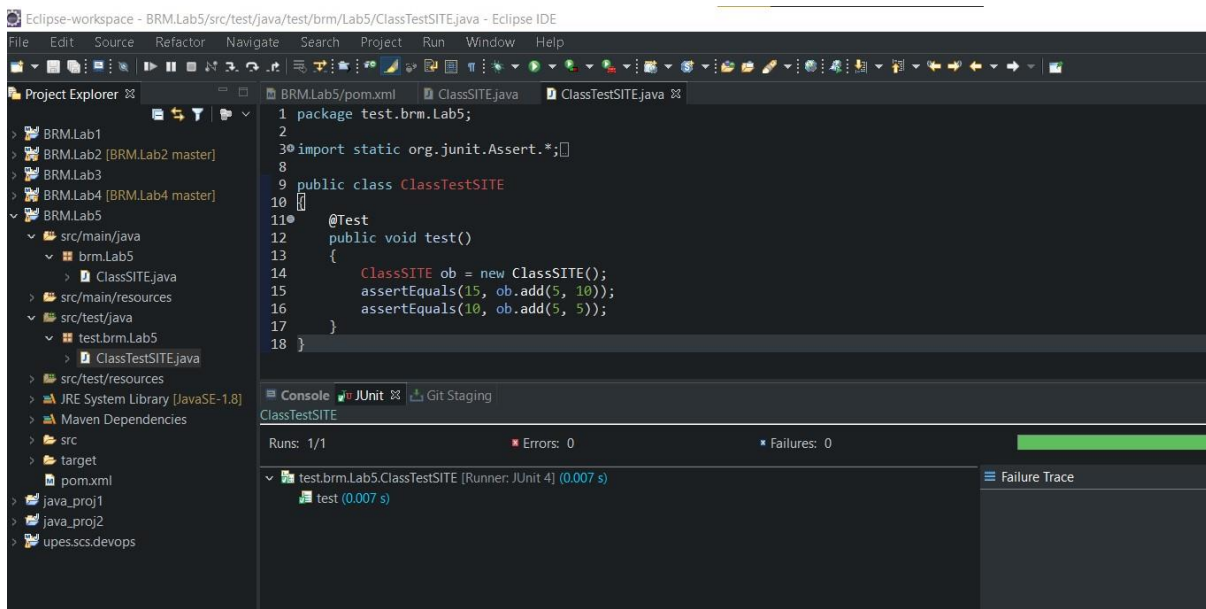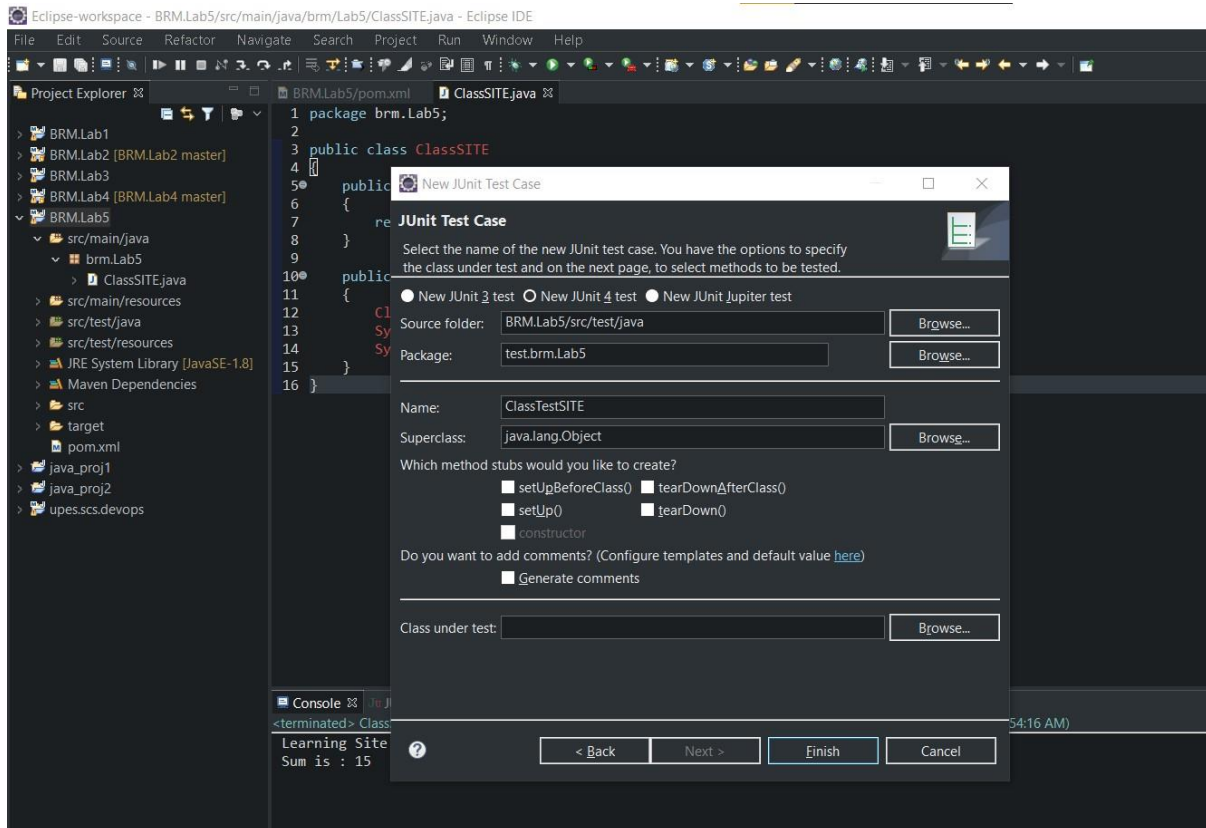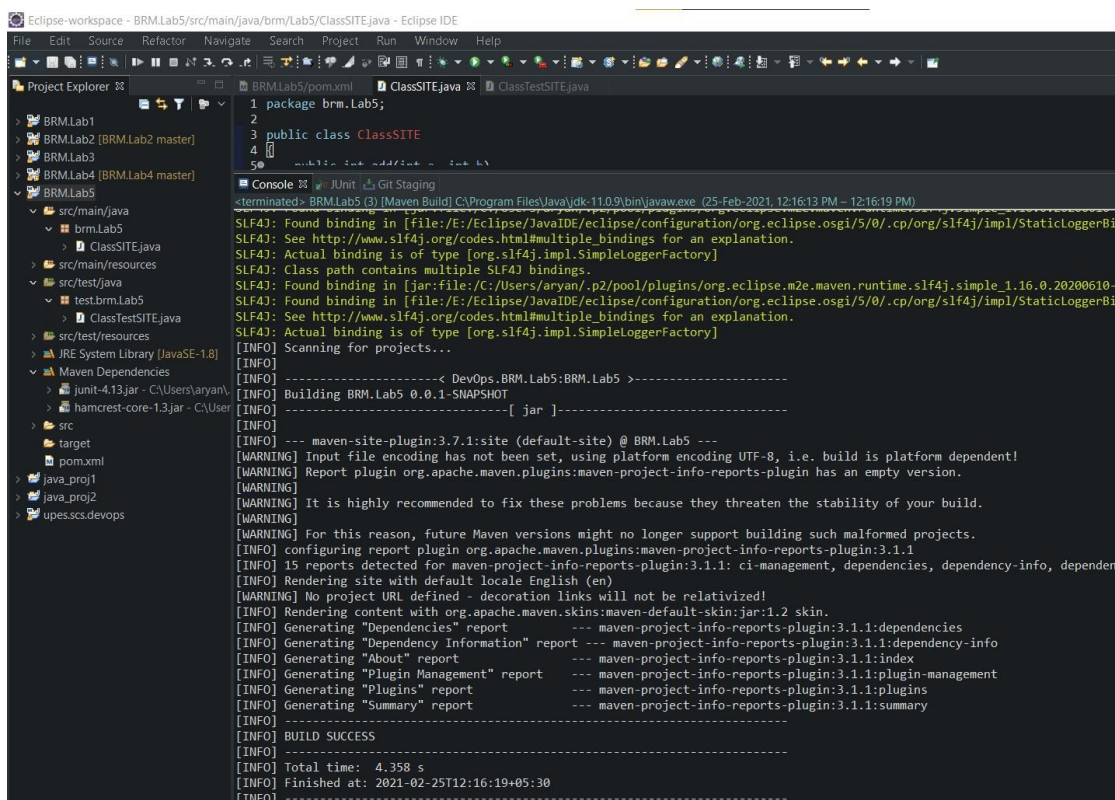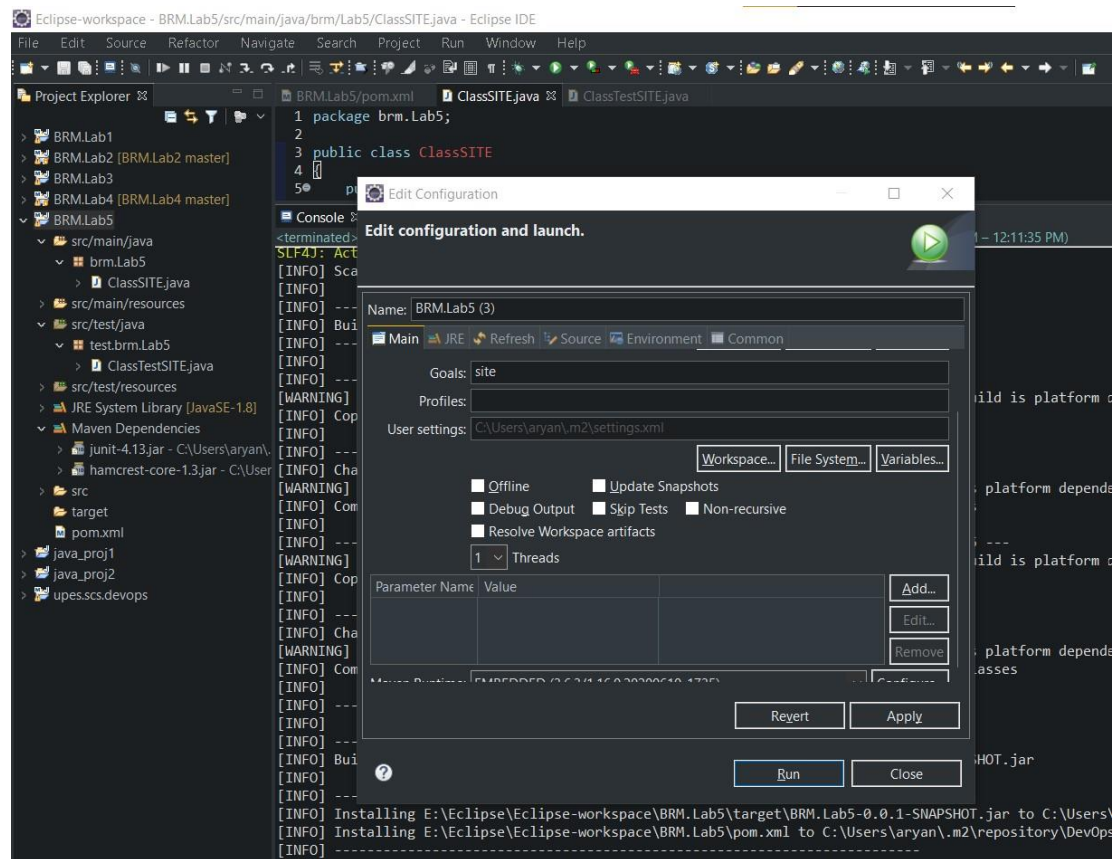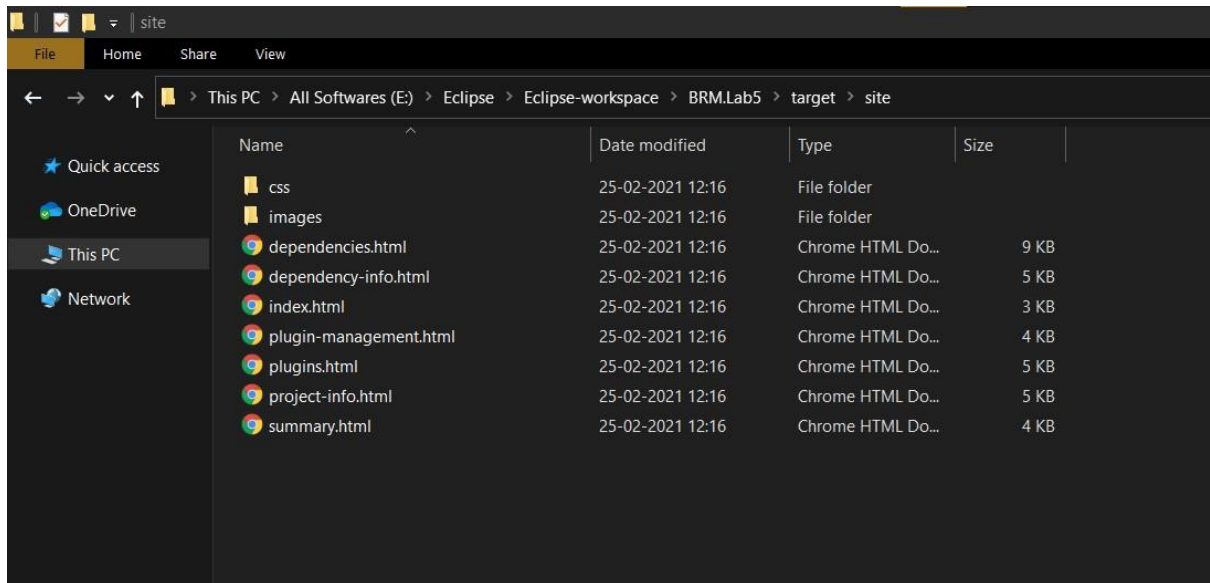
Step 3: Now create a JUnit Test Case and add some test cases in the file.

Step 4: Now right click on the project folder, go to "Run As", then click on "Maven build…", a dialog box will open. In that, set the "goal" as "install" (shown below).
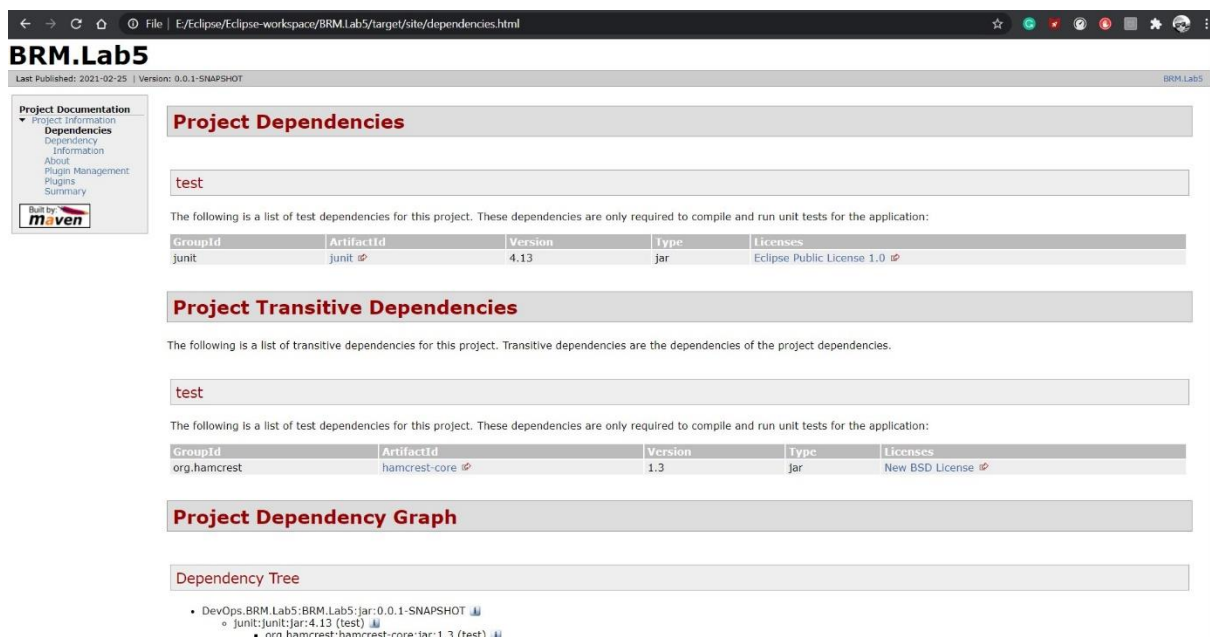
A console will pop up as given below.

Step 5: Repeat Step 4 again but now set the "goal" as "site". This goal will automatically generate a web documentation of your project.

Step 6: Now open the target folder of the project in your workspace and open the site folder which will have the web documentation of your project written in HTML (shown below).

Step 7: Now click on index.html to open the web documentation.

Result: Hence we successfully created a web documentation of a project using the goal site for a maven project.