

Build and Release Management Lab

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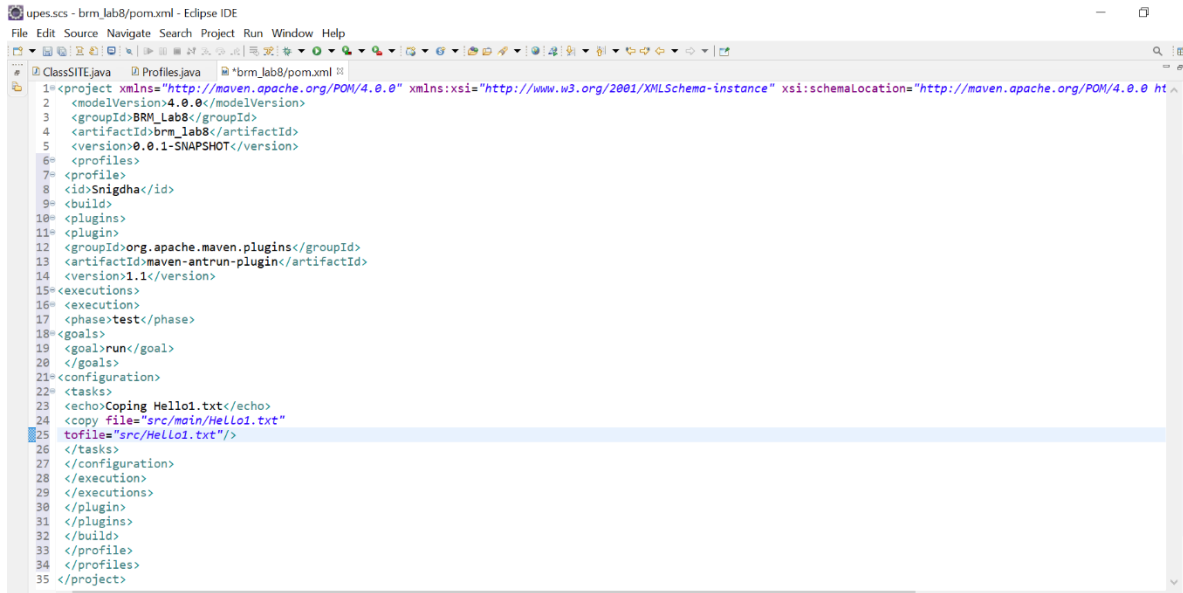
Branch: B-Tech-CSE-DevOps(B2)

SAP-ID: 500077256

Roll No: R171219035

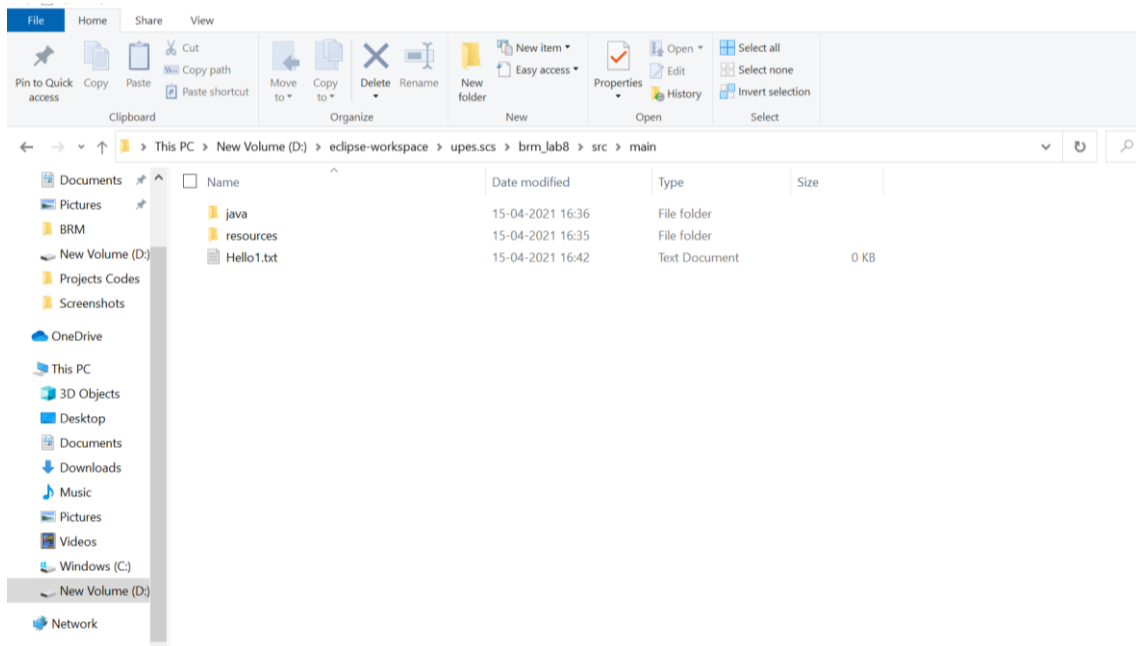
Experiment: 8

Step 1: First we need to create a Simple Maven Project and made some changes in pom.xml file.



```
1<?xml version="1.0" encoding="UTF-8" ?>
2<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
3  <modelVersion>4.0.0</modelVersion>
4  <groupId>BRM_Lab8</groupId>
5  <artifactId>brm_lab8</artifactId>
6  <version>0.0.1-SNAPSHOT</version>
7  <profiles>
8    <profile>
9      <id>Snigdha</id>
10     <build>
11       <plugins>
12         <plugin>
13           <groupId>org.apache.maven.plugins</groupId>
14           <artifactId>maven-antrun-plugin</artifactId>
15           <version>1.1</version>
16         </plugin>
17       </plugins>
18       <executions>
19         <execution>
20           <phase>test</phase>
21           <goals>
22             <goal>run</goal>
23           </goals>
24           <configuration>
25             <tasks>
26               <task>
27                 <echo>Coping Hello1.txt</echo>
28                 <copy file="src/main/Hello1.txt" tofile="src/Hello1.txt"/>
29               </task>
30             </tasks>
31           </configuration>
32         </execution>
33       </executions>
34     </profile>
35   </profiles>
36 </project>
```

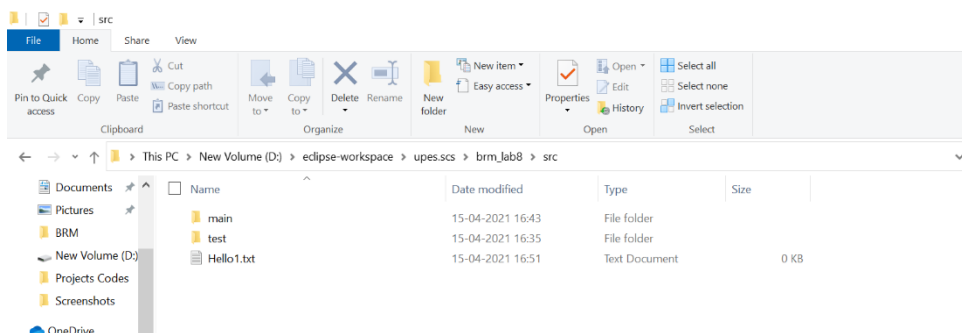
Step 2: Now create a text file named Hello1.txt and added it to src/main of the project.



Step3: Now, open the cmd prompt then open project folder and executed the command :`mvn test -PSnigdha`

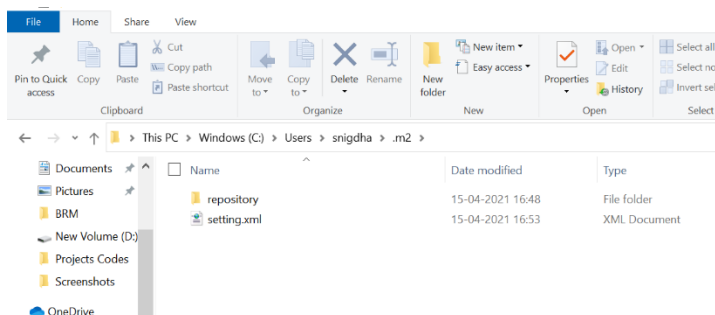
```
Command Prompt
D:\eclipse-workspace\upes.scs\brm_lab8>mvn test -Psnigdha
[INFO] Scanning for projects...
[INFO]
[INFO] -----< BRM_lab8:brm_lab8 -----
[INFO] Building brm_lab8 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ brm_lab8 ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ brm_lab8 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ brm_lab8 ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ brm_lab8 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ brm_lab8 ---
[INFO]
[INFO] --- maven-antrun-plugin:1.1:run (default) @ brm_lab8 ---
[INFO] Executing tasks
[echo] Copying Hello1.txt
[copy] Copying 1 file to D:\eclipse-workspace\upes.scs\brm_lab8\src
[INFO] Executed tasks
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 2.098 s
[INFO] Finished at: 2021-04-15T16:51:22+05:30
[INFO]
D:\eclipse-workspace\upes.scs\brm_lab8>
```

Step 4: Now , we can observe that Hello1.txt is being copied in src folder.



Step 5: We can also add Active Profiles in “settings.xml” file in which is present in C:\Users\<User Name>\.m2 folder. Open the file and add the following active profile:

```
<activeProfiles>
<activeProfile>Snigdha</activeProfile>
</activeProfiles>
```



Now run we can run the above mvn command without the help of the argument -P and simply write the following: mvn test