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**Branch : CS DevOps 4<sup>th</sup> Sem**

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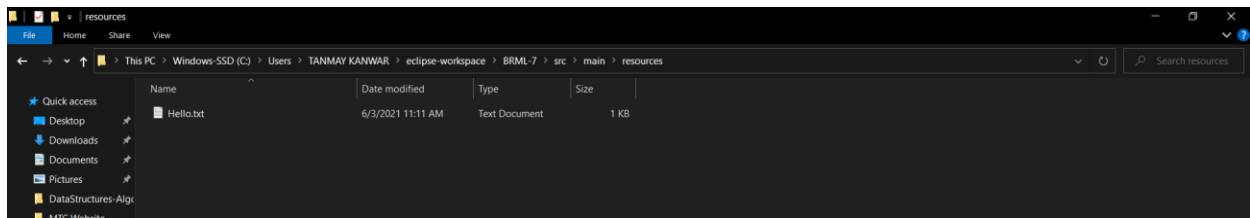
**Roll No. : R171219038**

**Batch : 2**

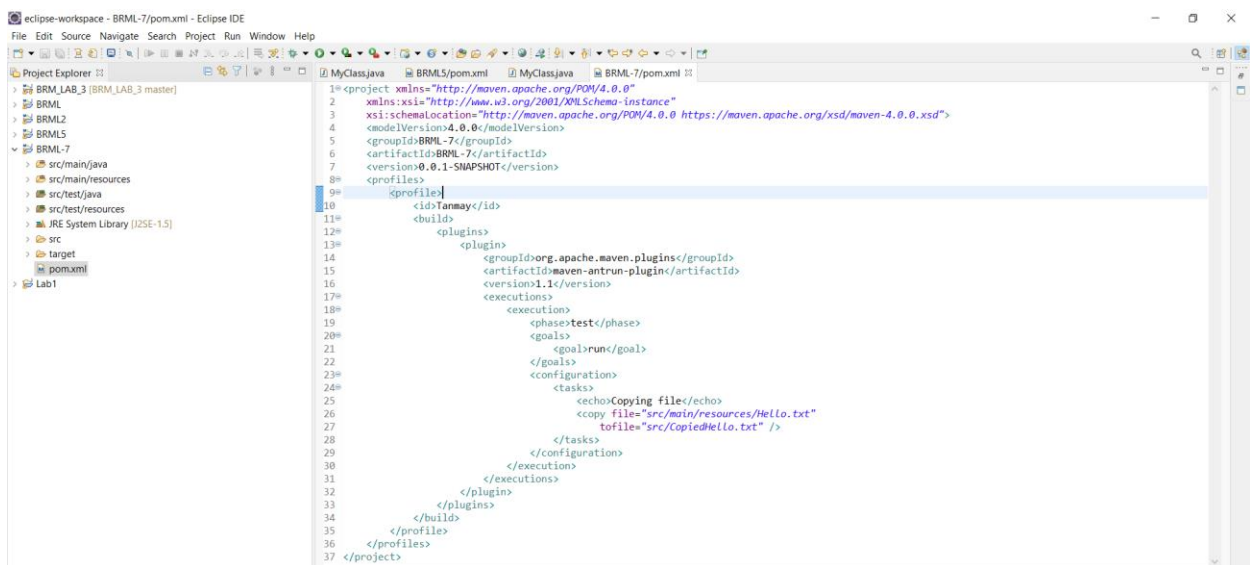
# Build and Release Management Lab-8

**Aim:** Create a maven project using Build Profile.

**Step 1:** Create simple maven project using CLI or Eclipse IDE and add a text file in the “\src\main\resources” folder of the project.



**Step 2:** Now open the “pom.xml” file of the project and add the following Build Profile:



**Step 3:** Now open the CLI, go the project folder containing the pom.xml and execute the following mvn command.

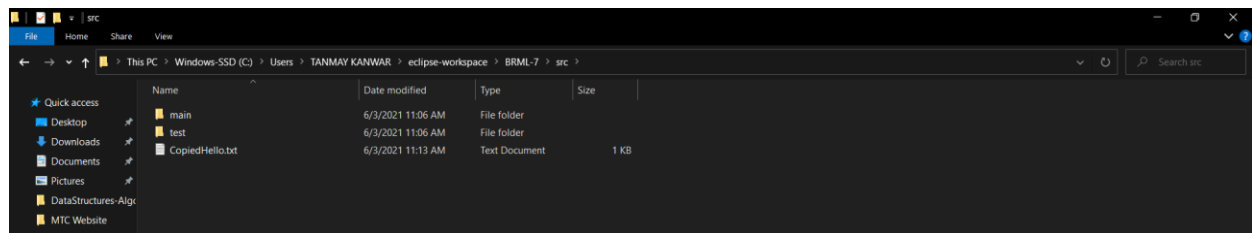
**mvn test -PTanmay**

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19041.985]
(c) Microsoft Corporation. All rights reserved.

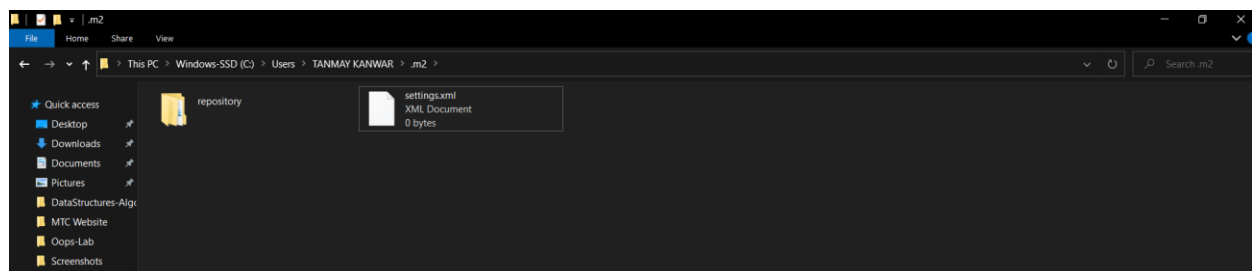
C:\Users\TANMAY KANWAR\eclipse-workspace\BRML-7>mvn test -Ptanmay
[INFO] Scanning for projects...
[INFO]
[INFO] -----< BRML-7:BRML-7 >-----
[INFO] Building BRML-7 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.1/maven-antrun-plugin-1.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.1/maven-antrun-plugin-1.1.pom (1.2 kB at 438 B/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugin-parent/2.0.1/maven-plugin-parent-2.0.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugin-parent/2.0.1/maven-plugin-parent-2.0.1.pom (7.4 kB at 12 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.1/maven-antrun-plugin-1.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.1/maven-antrun-plugin-1.1.jar (12 kB at 21 kB/s)
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ BRML-7 ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 1 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ BRML-7 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
C:\Users\TANMAY KANWAR>

C:\Windows\System32\cmd.exe
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact-manager/2.0.1/maven-artifact-manager-2.0.1.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-model/2.0.1/maven-model-2.0.1.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-profile/2.0.1/maven-profile-2.0.1.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-repository-metadata/2.0.1/maven-repository-metadata-2.0.1.jar (20 kB at 11 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/1.0.5/plexus-utils-1.0.5.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-profile/2.0.1/maven-profile-2.0.1.jar (30 kB at 16 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact/2.0.1/maven-artifact-2.0.1.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact-manager/2.0.1/maven-artifact-manager-2.0.1.jar (49 kB at 25 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact-manager/2.0.1/maven-artifact-manager-2.0.1.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-project/2.0.1/maven-project-2.0.1.jar (105 kB at 51 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-model/2.0.1/maven-model-2.0.1.jar (80 kB at 36 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-plugin-api/2.0.1/maven-plugin-api-2.0.1.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-plugin-api/2.0.1/maven-plugin-api-2.0.1.jar (9.2 kB at 3.1 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-plugin-api/2.0.1/maven-plugin-api-2.0.1.jar (8.2 kB at 2.5 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact/2.0.1/maven-artifact-2.0.1.jar (78 kB at 18 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/1.0.5/plexus-utils-1.0.5.jar (169 kB at 27 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact-manager/2.0.1/maven-artifact-manager-2.0.1.jar (1.0 MB at 93 kB/s)
[INFO] Executing tasks
[echo] Copying file
[copy] Copying 1 file to C:\Users\TANMAY KANWAR\eclipse-workspace\BRML-7\src
[INFO] Executed tasks
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 25.214 s
[INFO] Finished at: 2021-06-03T11:13:09+05:30
[INFO]
C:\Users\TANMAY KANWAR>
```

**Step 4:** Now open the “\src” folder of the project and we can find the text file we created in “\src\main” folder copied into “\src” folder.



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



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

**mvn test**

Result: Hence we successfully created and build a maven project with Build Profiles.