

**Name: Kartikeya Narian Khanna**

**SAP ID: 50078285**

**Roll No: R171219049**

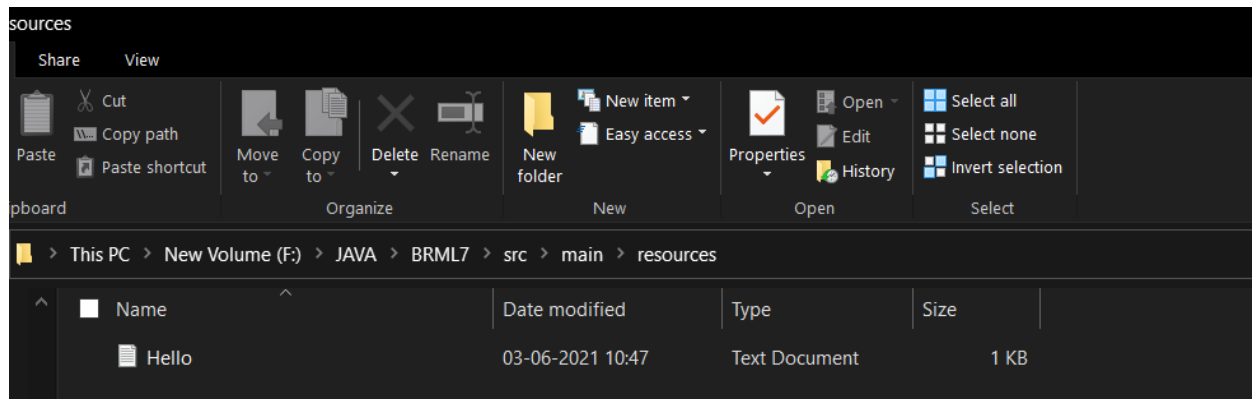
**Course: B.Tech CSE Devops**

**Batch: 2**

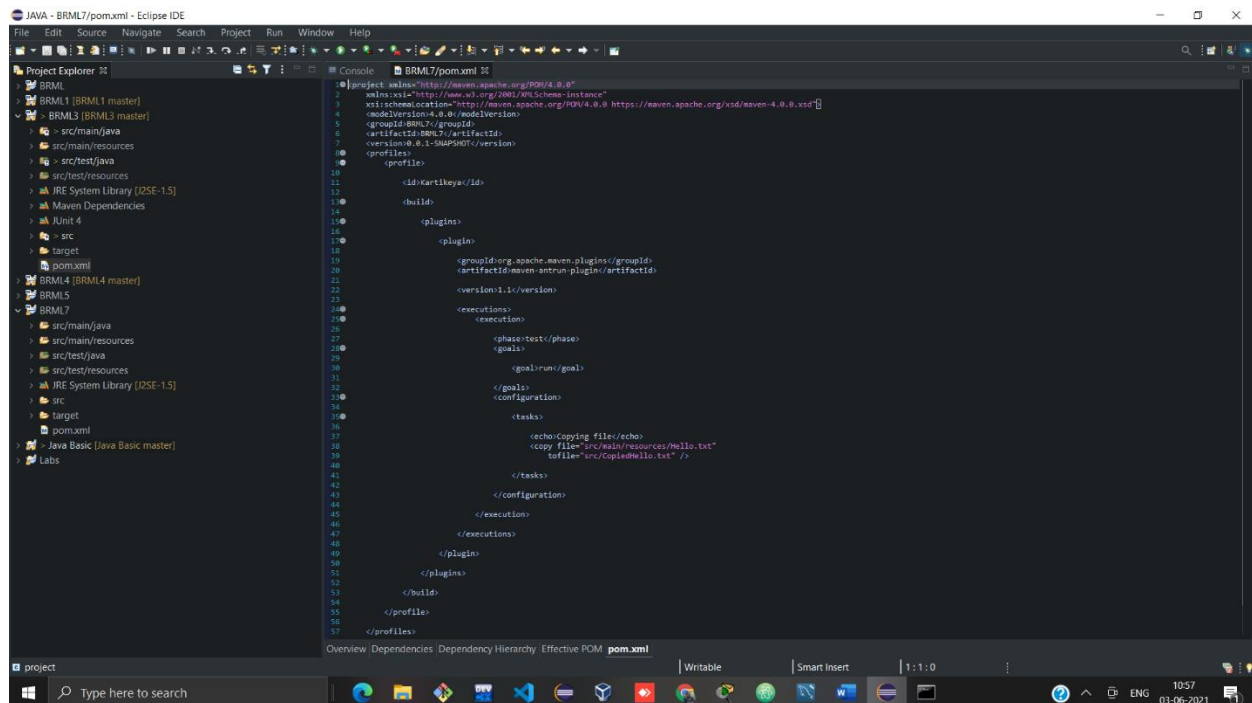
# Build and Release Management Lab-8

**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 -PKartikeya

```

C:\Users\BRLM7>mvn test -Pbartikaya
[INFO] Scanning for projects...
[INFO]
[INFO] -----< BRLM7:BRML7 >-----
[INFO] Building BRML7 0.0.1-SNAPSHOT
[INFO]
[INFO] --- [ jar ] ---
[INFO]
[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
[INFO] 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 656 B/s)
[INFO] Downloading 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
[INFO] 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 16 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.1/maven-antrun-plugin-1.1.jar
[INFO] 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 24 kB/s)
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ BRLM7 ---
[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) @ BRLM7 ---
[INFO]
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ BRLM7 ---
[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) @ BRLM7 ---
[INFO]
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ BRLM7 ---
[INFO]
[INFO] --- maven-antrun-plugin:1.1:run (default) @ BRLM7 ---
[INFO]
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-project/2.0.1/maven-project-2.0.1.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-project/2.0.1/maven-project-2.0.1.pom (1.7 kB at 3.7 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven/2.0.1/maven-2.0.1.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven/2.0.1/maven-2.0.1.pom (11 kB at 23 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-profile/2.0.1/maven-profile-2.0.1.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-profile/2.0.1/maven-profile-2.0.1.pom (1.5 kB at 3.1 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-model/2.0.1/maven-model-2.0.1.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-model/2.0.1/maven-model-2.0.1.pom (2.5 kB at 5.7 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/1.0.5/plexus-utils-1.0.5.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/1.0.5/plexus-utils-1.0.5.pom (918 B at 1.8 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact-manager/2.0.1/maven-artifact-manager-2.0.1.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact-manager/2.0.1/maven-artifact-manager-2.0.1.pom (1.4 kB at 2.9 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-repository-metadata/2.0.1/maven-repository-metadata-2.0.1.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-repository-metadata/2.0.1/maven-repository-metadata-2.0.1.pom (1.3 kB at 3.1 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact/2.0.1/maven-artifact-2.0.1.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact/2.0.1/maven-artifact-2.0.1.pom (765 B at 1.6 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/ant/ant-launcher/1.6.5/ant-launcher-1.6.5.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/ant/ant-launcher/1.6.5/ant-launcher-1.6.5.pom (149 B at 316 B/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/ant/ant/1.6.5/ant-1.6.5.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/ant/ant/1.6.5/ant-1.6.5.pom (861 B at 1.9 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-plugin-api/2.0.1/maven-plugin-api-2.0.1.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-plugin-api/2.0.1/maven-plugin-api-2.0.1.pom (643 B at 1.2 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact/2.0.1/maven-artifact-2.0.1.jar

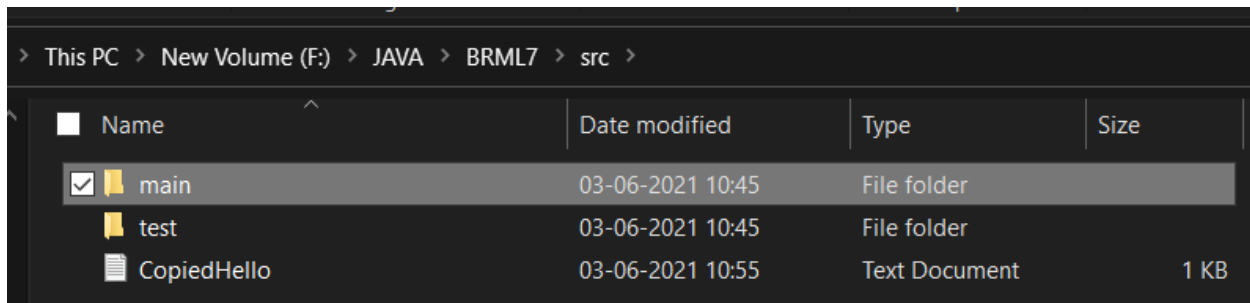
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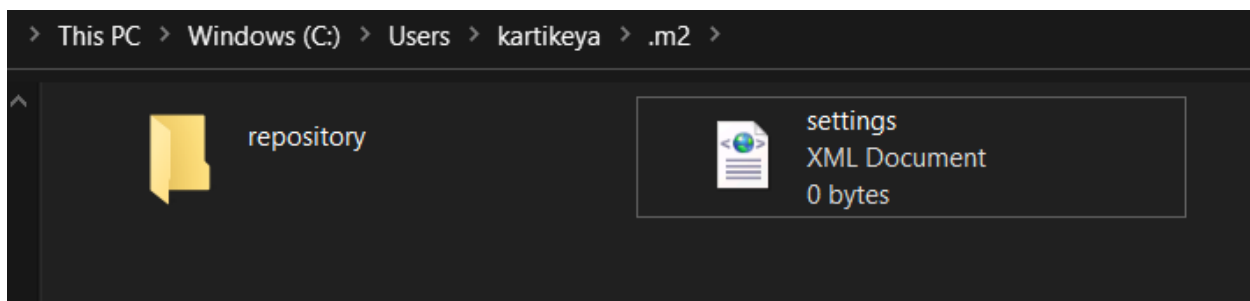
C:\Windows\System32\cmd.exe
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-model/2.0.1/maven-model-2.0.1.pom (2.5 kB at 5.7 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-model/2.0.1/maven-model-2.0.1.pom (2.5 kB at 5.7 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/1.0.5/plexus-utils-1.0.5.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/1.0.5/plexus-utils-1.0.5.pom (918 B at 1.8 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.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact-manager/2.0.1/maven-artifact-manager-2.0.1.pom (1.4 kB at 2.9 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-repository-metadata/2.0.1/maven-repository-metadata-2.0.1.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-repository-metadata/2.0.1/maven-repository-metadata-2.0.1.pom (1.3 kB at 3.1 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact/2.0.1/maven-artifact-2.0.1.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact/2.0.1/maven-artifact-2.0.1.pom (765 B at 1.6 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/ant/ant-launcher/1.6.5/ant-launcher-1.6.5.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/ant/ant-launcher/1.6.5/ant-launcher-1.6.5.pom (149 B at 316 B/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/ant/ant/1.6.5/ant-1.6.5.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/ant/ant/1.6.5/ant-1.6.5.pom (661 B at 1.9 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.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-plugin-api/2.0.1/maven-plugin-api-2.0.1.pom (643 B at 1.2 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-project/2.0.1/maven-project-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 140 kB/s)
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-profile/2.0.1/maven-profile-2.0.1.jar (30 kB at 35 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/2.0.1/maven-artifact-2.0.1.jar (20 kB at 20 kB/s)
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
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 20 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/ant-launcher/1.6.5/ant-launcher-1.6.5.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/ant-launcher/1.6.5/ant-launcher-1.6.5.jar (80 kB at 70 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/ant/ant/1.6.5/ant-1.6.5.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/ant/ant/1.6.5/ant-1.6.5.jar (49 kB at 41 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 6.1 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 50 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 (8.2 kB at 4.9 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 96 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 96 kB/s)
[INFO] Executing tasks
[echo] Copying file
[copy] Copying 1 file to F:\JAVA\BRLM7\src
[INFO] Executed tasks
[INFO] BUILD SUCCESS
[INFO] Total time: 15.659 s
[INFO] Finished at: 2021-06-03T10:55:48+05:30
[INFO]
F:\JAVA\BRLM7>
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/ant/ant/1.6.5/ant-1.6.5.jar

```

**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.