

## **Build and Release Management lab**

**Submitted by**

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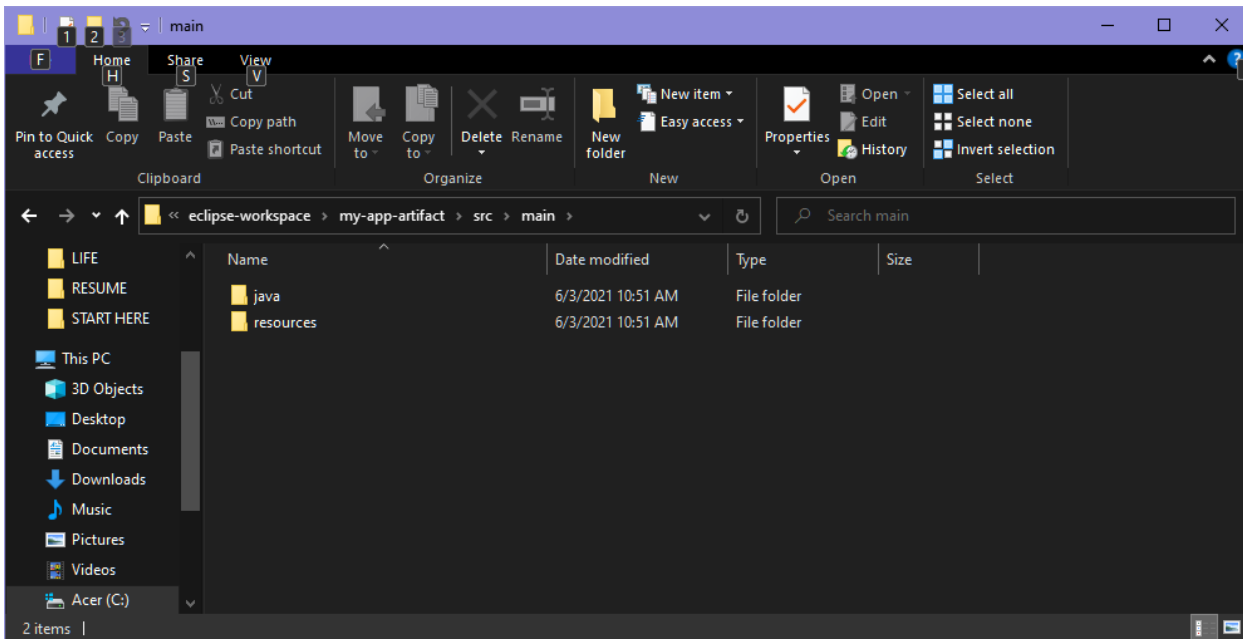
**Roll No – R171219002**

**SAP – 500076748**

## LAB EXERCISE 8

### Aim: Create a maven project using Build Profile

Create a simple maven project using CLI or Eclipse IDE and add a text file in the “\src\main” folder of the project



Open the “pom.xml” file of the project and add the following Build Profile

```
<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/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.companyname.projectgroup</groupId>
  <artifactId>project</artifactId>
  <version>1.0</version>
  <profiles>
    <profile>
      <id>test</id>
      <build>
        <plugins>
          <plugin>
            <groupId>org.apache.maven.plugins</groupId>
            <artifactId>maven-antrun-plugin</artifactId>
            <version>1.1</version>
            <executions>
              <execution>
                <phase>test</phase>
                <goals>
```

```

<goal>run</goal>
</goals>
<configuration>
  <tasks>
    <echo>Using
env.test.properties</echo>
    <copy
file="src/main/resources/env.test.properties"
tofile="${project.build.outputDirectory}
    /env.properties" />
  </tasks>
</configuration>
</execution>
</executions>
</plugin>
</plugins>
</build>
</profile>
</profiles>
</project>

```

Now open the CLI, go to the project folder containing the pom.xml and execute the following mvn command.

```
mvn test -Pcopying
```

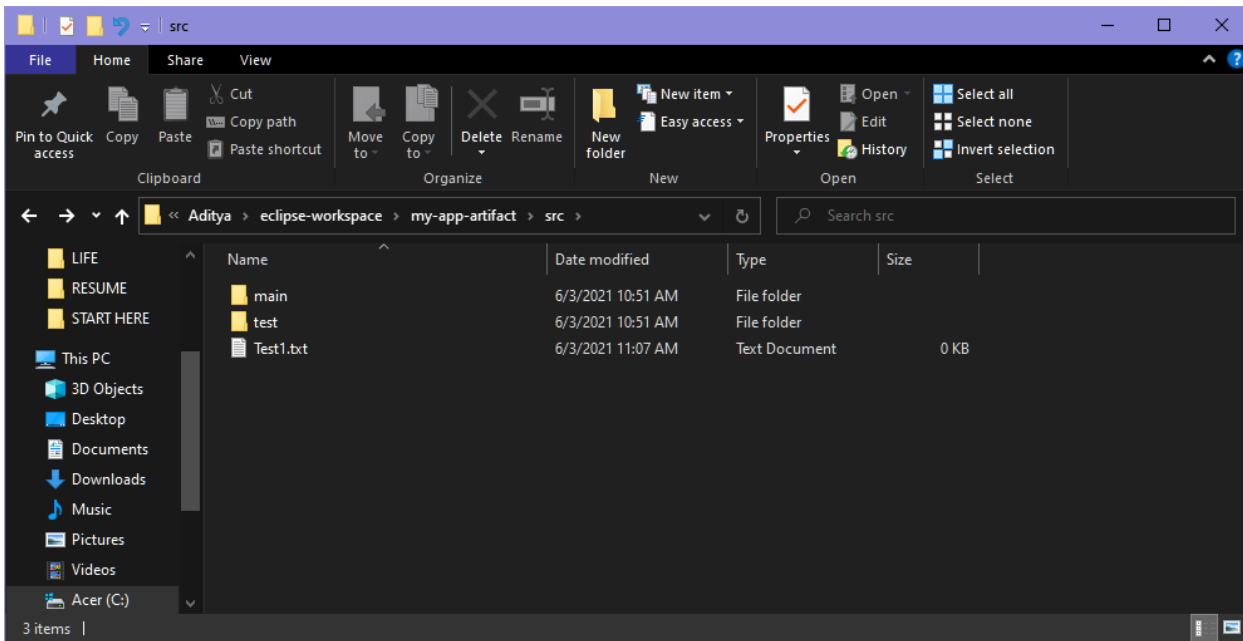
```

C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19042.985]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Aditya\workspace\my-app-artifact>mvn test -Pcopying
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.companyname.projectgroup:project >-----
[INFO] Building project 1.0
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ project ---
[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) @ project ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ project ---
[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) @ project ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ project ---
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] -----
[INFO] Total time: 2.756 s
[INFO] Finished at: 2021-06-03T11:06:43+05:30
[INFO]

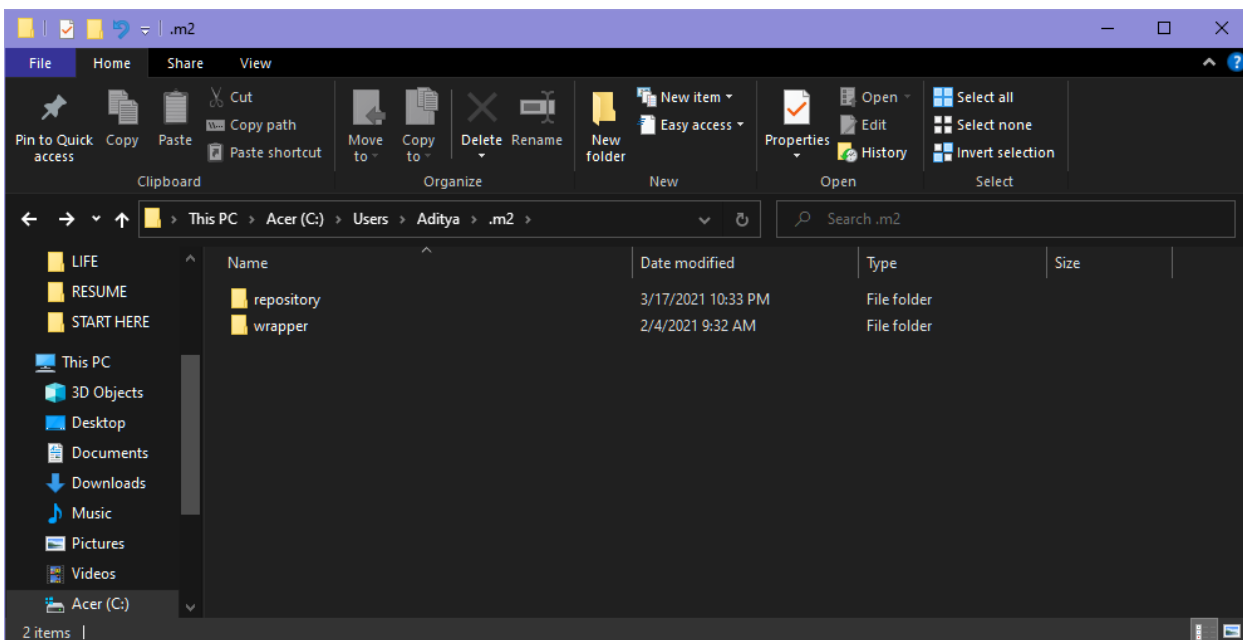
```

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.



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>copying</activeProfile>
</activeProfiles>
```



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.