

Build and Release Management Lab

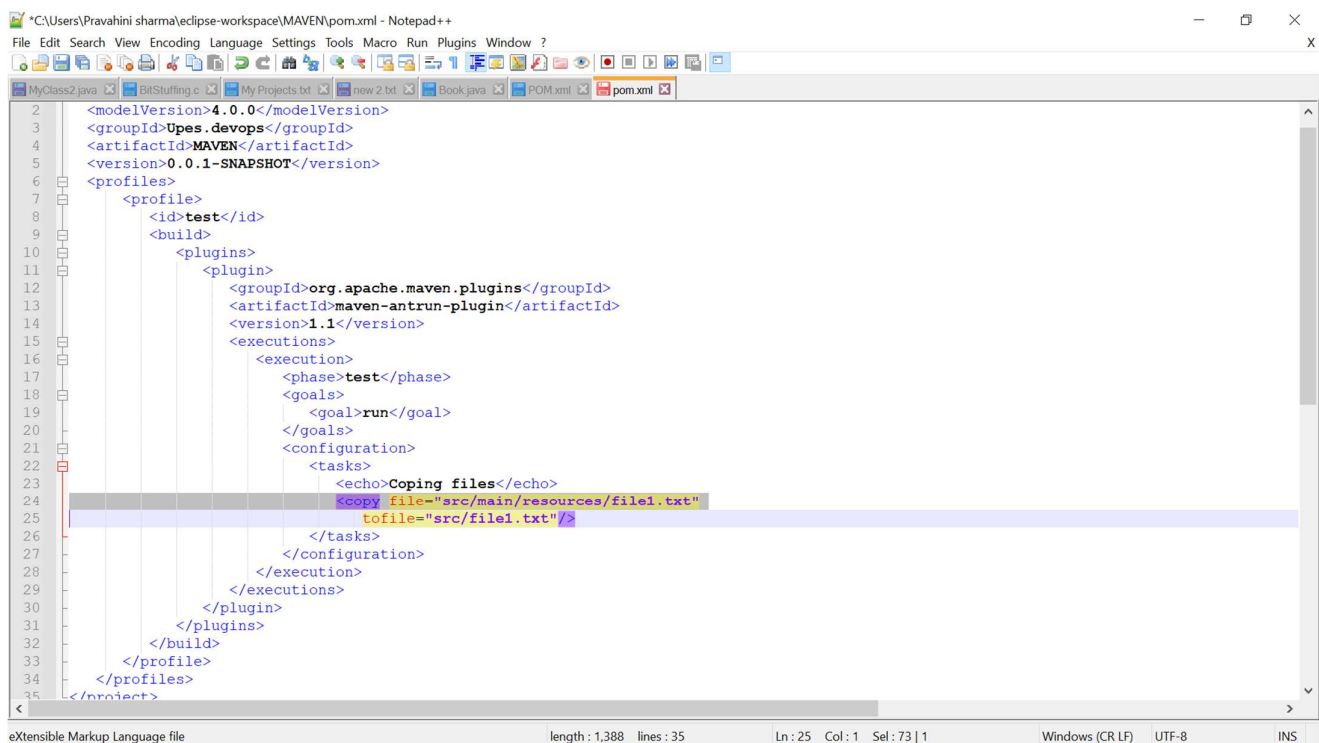
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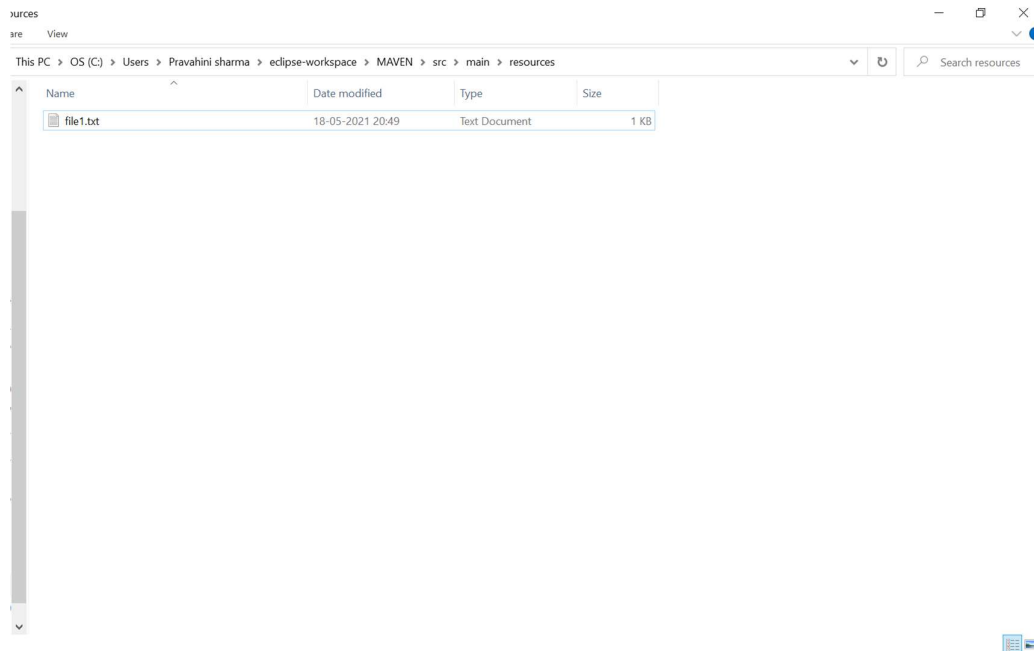
Experiment – 8

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



```
*C:\Users\Pravahini sharma\workspace\MAVEN\pom.xml - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
MyClass2.java BitStuffing.c My Projects.txt new 2.txt Book.java POM.xml pom.xml
2 <modelVersion>4.0.0</modelVersion>
3 <groupId>Upes.devops</groupId>
4 <artifactId>MAVEN</artifactId>
5 <version>0.0.1-SNAPSHOT</version>
6 <profiles>
7   <profile>
8     <id>test</id>
9     <build>
10       <plugins>
11         <plugin>
12           <groupId>org.apache.maven.plugins</groupId>
13           <artifactId>maven-antrun-plugin</artifactId>
14           <version>1.1</version>
15           <executions>
16             <execution>
17               <phase>test</phase>
18               <goals>
19                 <goal>run</goal>
20               </goals>
21               <configuration>
22                 <tasks>
23                   <echo>Coping files</echo>
24                   <copy file="src/main/resources/file1.txt"
25                     tofile="src/file1.txt"/>
26                 </tasks>
27               </configuration>
28             </execution>
29           </executions>
30         </plugin>
31       </plugins>
32     </build>
33   </profile>
34 </profiles>
35 </project>
eXtensible Markup Language file length: 1,388 lines: 35 Ln: 25 Col: 1 Sel: 73 | 1 Windows (CR LF) UTF-8 INS
```

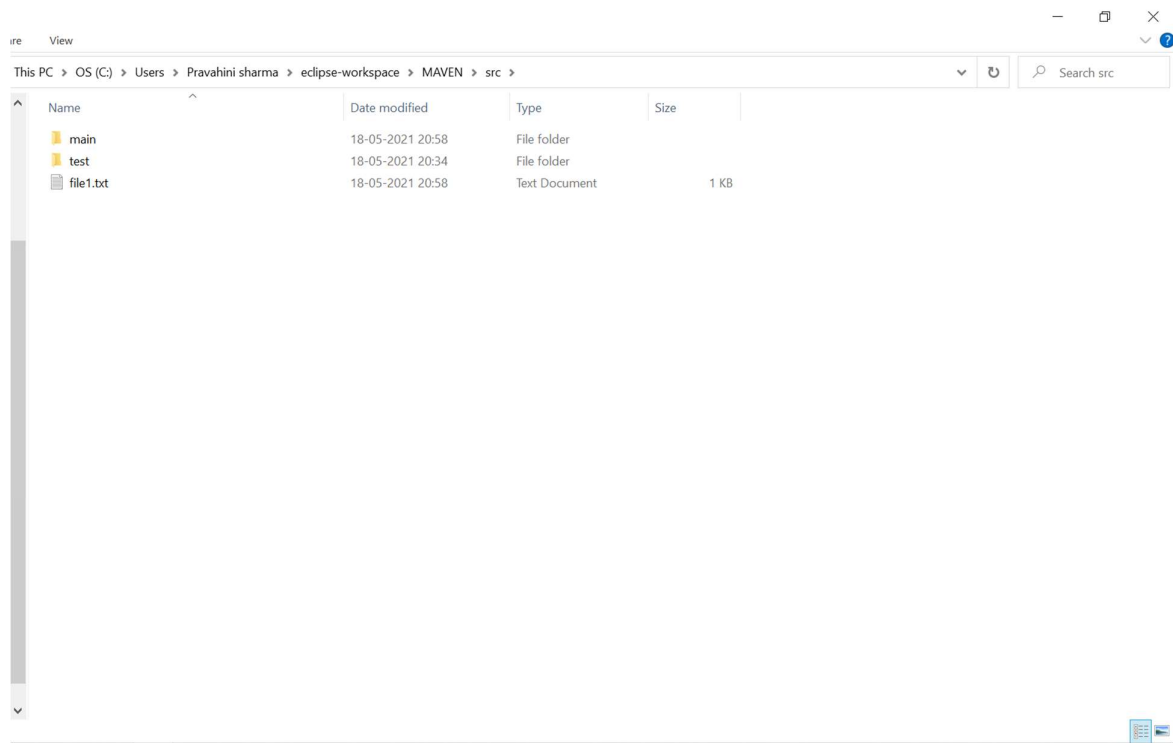
Step 2: Now create a text file named file1.txt and added it to src/main/resources of the project.



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

```
Command Prompt
C:\Users\Pravahini sharma\eclipse-workspace\MAVEN>mvn test -Ptest
[INFO] Scanning for projects...
[INFO]
[INFO] -----< Upes.devops:MAVEN >-----
[INFO] Building MAVEN 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ MAVEN ---
[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) @ MAVEN ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ MAVEN ---
[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) @ MAVEN ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ MAVEN ---
[INFO]
[INFO] --- maven-antrun-plugin:1.1:run (default) @ MAVEN ---
[INFO] Executing tasks
[echo] Copying files
[copy] Copying 1 file to C:\Users\Pravahini sharma\eclipse-workspace\MAVEN\src
[INFO] Executed tasks
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] -----
[INFO] Total time: 1.530 s
[INFO] Finished at: 2021-05-18T20:58:22+05:30
[INFO]
C:\Users\Pravahini sharma\eclipse-workspace\MAVEN>
```

Step 4: Now, we can observe that file1.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\\\.m2 folder. Open the file and add the following active profile:

```
<activateProfiles>
```

```
<activateProfile>test</activateProfile>
```

```
</activateProfiles>
```

View

PC > OS (C:) > Users > Pravahini sharma > .m2 >

Name	Date modified	Type	Size
repository	18-05-2021 20:57	File folder	
settings.xml	18-05-2021 21:04	XML Document	0 KB

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