## **BUILD AND RELEASE MANAGEMENT LAB FILE**

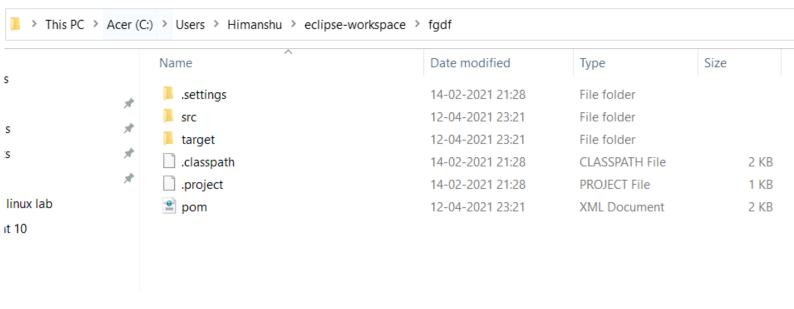
## EXPERIMENT 8

## AIM:

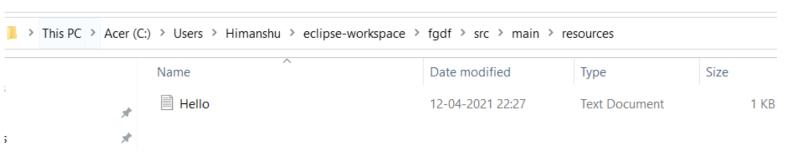
Create Build profile using Maven in both project and user type.

## **SOLUTION:**

Project overview.



• Creating 'hello.txt' in 'src/main/resources' folder.



• Modifying 'POM.xml' by creating 'Himanshu' build profile.In which task is to copy 'Hello.txt' from 'src/main/resources/Hello.txt' to 'src/CopiedHello.txt' and print 'Copying file' message.

```
pom - Notepad
```

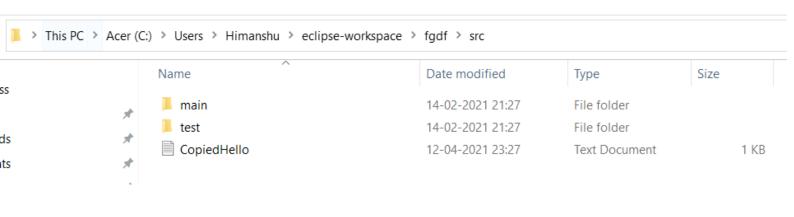
```
File Edit Format View Help
cproject xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3
https://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>gfh</groupId>
  <artifactId>fgdf</artifactId>
  <version>0.0.1-SNAPSHOT</version>
   ofiles>
      ofile>
         <id>Himanshu</id>
         <build>
            <plugins>
               <plugin>
                  <groupId>org.apache.maven.plugins
                  <artifactId>maven-antrun-plugin</artifactId>
                  <version>1.1</version>
                  <executions>
                     <execution>
                        <phase>test</phase>
                        <goals>
                           <goal>run</goal>
                        </goals>
                        <configuration>
                           <tasks>
                               <echo>Copying file</echo>
                               <copy file="src/main/resources/Hello.txt"</pre>
                                  tofile="src/CopiedHello.txt"/>
                            </tasks>
                        </configuration>
                     </execution>
                  </executions>
                </plugin>
            </plugins>
         </build>
      </profile>
   </profiles>
</project>
```

• The 'src' folder before running the 'mvn test -PHimanshu' command.

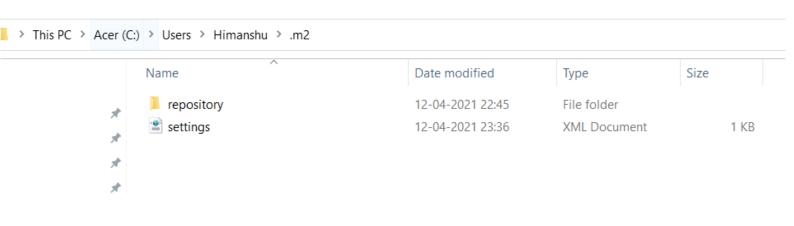
Running the 'mvn test -PHimanshu' in command prompt with path set to project.

```
C:\Users\Himanshu\eclipse-workspace\fqdf>mvn test -PHimanshu
INFO] Scanning for projects. Olege
                                     -< gfh:fgdf >--
INFO] KBuilding fgdf 0.0.1-SNAPSHOT
         maven-resources-plugin:2.6:resources (default-resources) @ fgdf
WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e
INFO] Copying 1 resource
      --- maven-compiler-plugin:3.1:compile (default-compile) @ fqdf ---
INFO]ABB--- maven-resources-plugin:2.6:testResources (default-testResources) @ fgdf
WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e
INFO] PPC pying 0 resource
      --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ fgdf
INFO] Nothing to compile - all classes are up to date
      <sup>Jojets</sup> maven-surefire-plugin:2.12.4:test (default-test) @ fgdf ---
INFO]
INFO] ocuments maven-antrun-plugin:1.1:run (default) @ fqdf ---
INFO] Executing tasks
    [echo] Copying file
    [copy] Copying 1 file to C:\Users\Himanshu\eclipse-workspace\fgdf\src
INFO] cExecuted tasks
INFO | BUILD SUCCESS
                   0.765 s
INFOlocTotal) time:
      Finished at: 2021-04-12T23:27:30+05:30
C:\Users\Himanshu\eclipse-workspace\fgdf>
```

• The 'src' folder after running the 'mvn test -PHimanshu' command.



• The <a href="mailto:.m2 folder">.m2 folder</a> containing 'settings.xml' file.



• Modifying 'settings.xml' file to create active build profiles 'Himanshu' and 'Ragnar'. 'Ragnar' profile is not defined in the 'POM.xml' file of the project.

```
File Edit Format View Help
```

```
<groupId>org.myco.myplugins</groupId>
        <artifactId>myplugin</artifactId>
        <configuration>
           <tomcatLocation>${tomcatPath}</tomcatLocation>
        </configuration>
      </plugin>
      NOTE: If you just wanted to inject this configuration wheneve
            anything, you could just leave off the <value/> inside
   ofile>
     <id>env-dev</id>
     <activation>
       property>
         <name>target-env</name>
         <value>dev</value>
       </activation>
     properties>
        <tomcatPath>/path/to/tomcat/instance</tomcatPath>

   </profile>
    -->
 </profiles>
  <!-- activeProfiles
   | List of profiles that are active for all builds.
  <activeProfiles>
   <activeProfile>alwaysActiveProfile</activeProfile>
   <activeProfile>anotherAlwaysActiveProfile</activeProfile>
  </activeProfiles>
  -->
  <activeProfiles>
     <activeProfile>Himanshu</activeProfile>
      <activeProfile>Ragnar</activeProfile>
  </activeProfiles>
</settings>
```

• Running 'mvn test' in command prompt with path set to project.Notice,we don't need to use -*P*<*profile*> option for running the build profile and also the warning message of 'Ragnar' profile.

```
C:\Users\Himanshu\eclipse-workspace\fqdf>mvn test
[INFO] Scanning for projects...
[INFO] maven-resources-plugin:2.6:resources (default-resources) @ fgdf ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build
[INFO] Copying 1 resource
      [INFO] Nothing to compile - all classes are up to date
[INFO]<sub>/active</sub>mayen-resources-plugin:2.6:testResources (default-testResources) @ fgdf ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build
[INFO]<sub>D</sub>Copying 0 resource
[INFO] <tomcatPath>/path/to/tomcat/instance</tomcatPath>
[INFO]/propermayen-compiler-plugin:3.1:testCompile (default-testCompile) @ fgdf ---
[INFO]r Nothing to compile - all classes are up to date
[INFO] files maven-surefire-plugin: 2.12.4: test (default-test) @ fqdf ---
[INFO]active maven antrun-plugin:1.1:run (default) @ fqdf ---
[INFO] Executing tasks
    [echo] Copying file
    [copy] Copying 1 file to C:\Users\Himanshu\eclipse-workspace\fgdf\src
[INFO] Executed tasks
      Total time: 0.844 s
[INFO] Finished at: 2021-04-12T23:47:53+05:30
[WARNING] The requested profile "Ragnar" could not be activated because it does not exist.
```

C:\Users\Himanshu\eclipse-workspace\fgdf>