Lesson 01 Demo 06

Working with Repositories

Objective: To work with repositories and search for the Super POM file in the local repository

Tools Required: Visual Studio Code and Maven

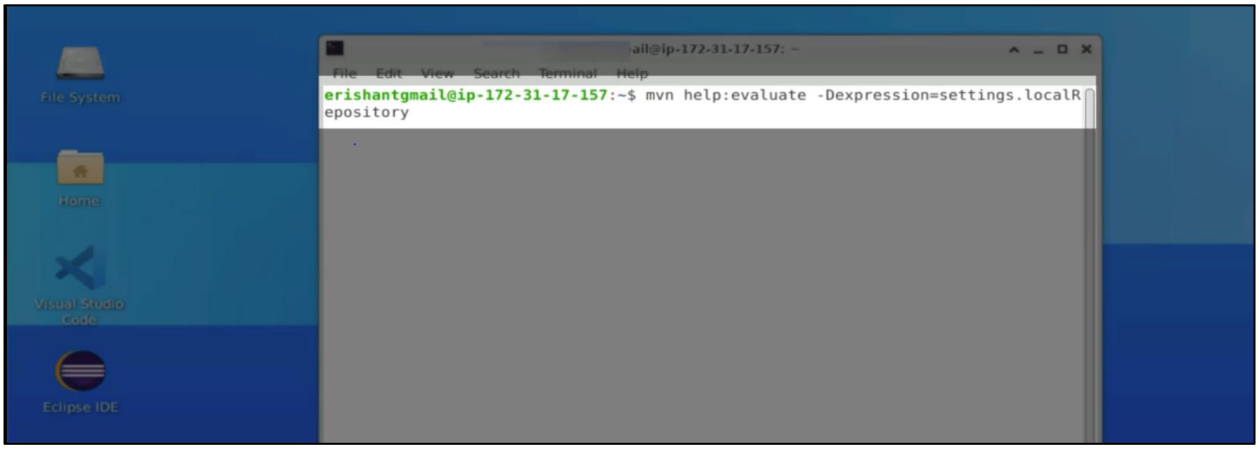
Prerequisites: None

Steps to be followed:

1. Execute mvn command
2. Create a package in the file manager
3. List down files in the directory
4. Quit the configuration
5. Search for Super POM
6. Create command repository
7. Add ID and URL

Step 1: Execute mvn command

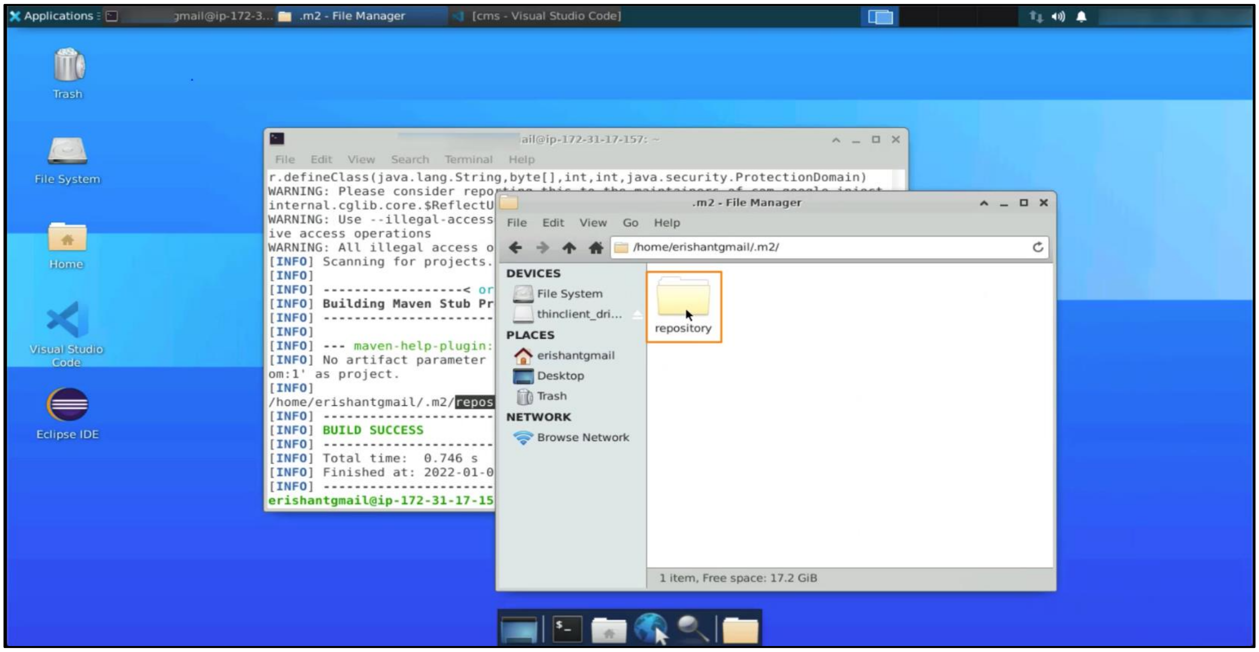
1.1 Open the terminal and use the **mvn** help command to find the directory
mvn help:evaluate -Dexpression=settings.localRepository



```
erishantgmail@ip-172-31-17-157:~$ mvn help:evaluate -Dexpression=settings.localR
epository
```

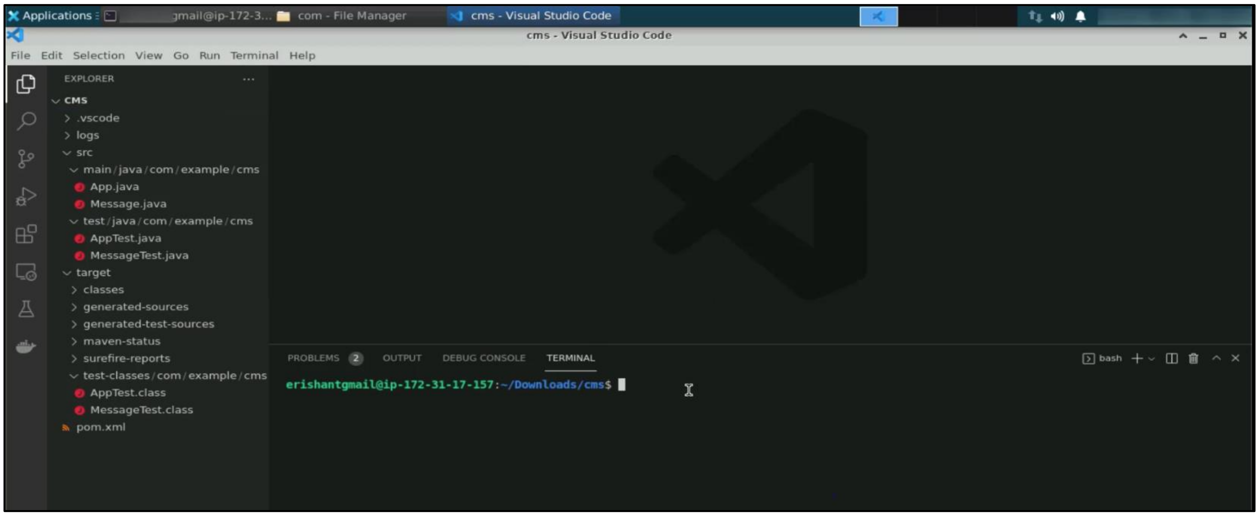
The command **mvn help:evaluate** is used to evaluate maven expressions. The option **-Dexpression=settings.localRepository** specifies that the expression to be evaluated is **settings.localRepository**, which returns the path to the local repository used by maven.

1.2 Navigate to the local **repository** from where the dependencies will be sent



```
r.defineClass(java.lang.String,byte[],int,int,java.security.ProtectionDomain)
WARNING: Please consider repo
internal.cglib.core.$ReflectU
WARNING: Use --illegal-access
ive access operations
WARNING: All illegal access o
[INFO] Scanning for projects.
[INFO]
[INFO] -----------------< or
[INFO] Building Maven Stub Pr
[INFO] ----------------------
[INFO]
[INFO] --- maven-help-plugin:
[INFO] No artifact parameter
om:1' as project.
[INFO]
/home/erishantgmail/.m2/repos
[INFO] ----------------------
[INFO] BUILD SUCCESS
[INFO] ----------------------
[INFO] Total time:  0.746 s
[INFO] Finished at: 2022-01-0
[INFO] ----------------------
erishantgmail@ip-172-31-17-15
```

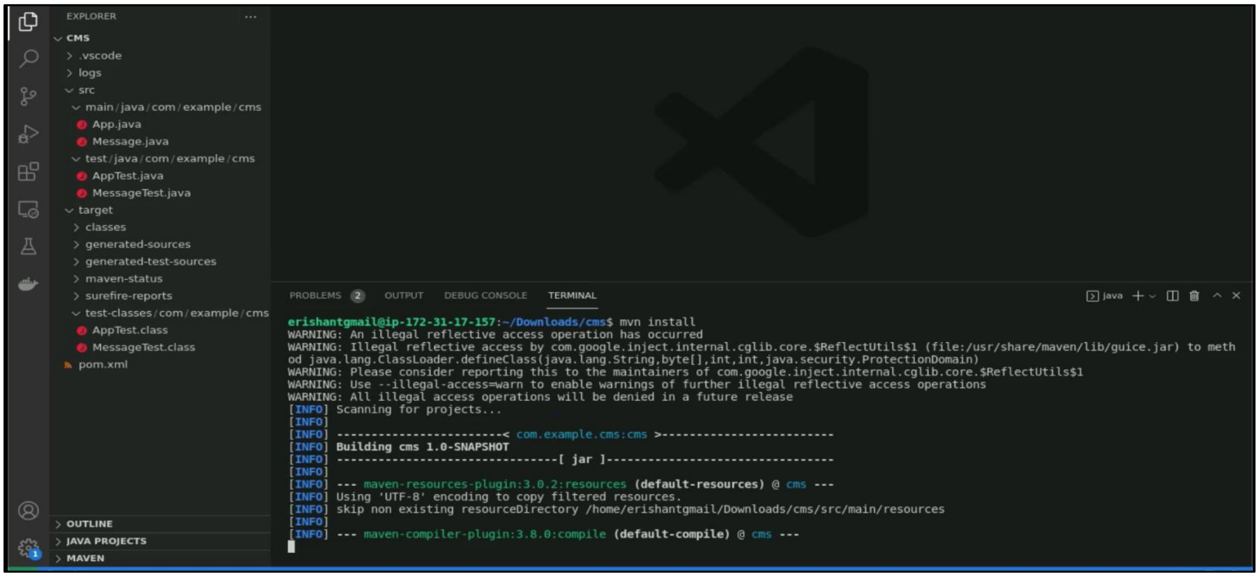
1.3 Open the Visual Studio Code and open the terminal window



```
erishantgmail@ip-172-31-17-157:~/Downloads/cms$
```

1.4 Build the CMS project by using the following command:

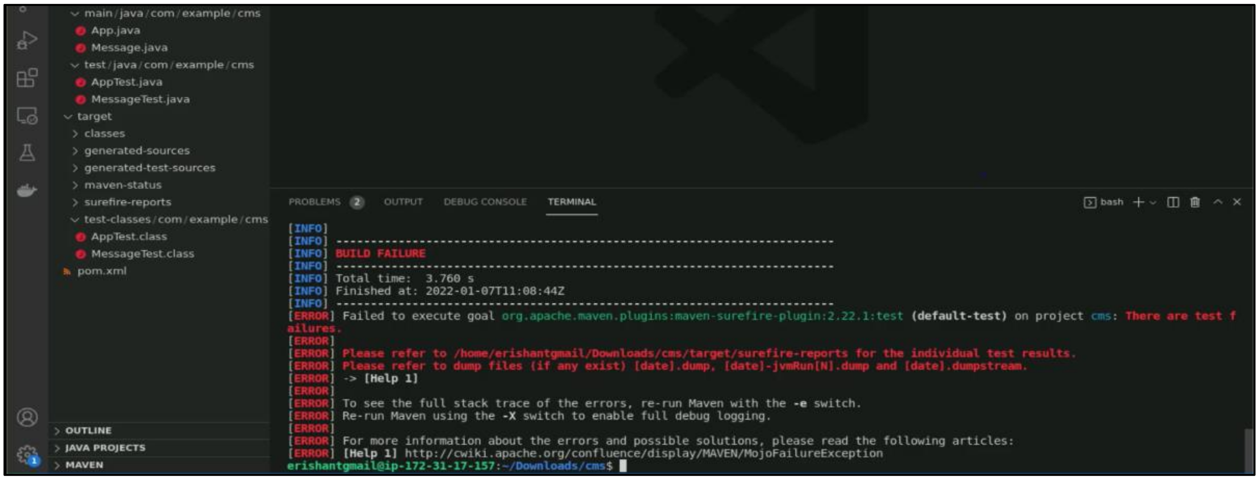
mvn install



```
erishantgmail@ip-172-31-17-157:~/Downloads/cms$ mvn install
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$1 (file:/usr/share/maven/lib/guice.jar) to meth
od java.lang.ClassLoader.defineClass(java.lang.String,byte[],int,int,java.security.ProtectionDomain)
WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cglib.core.$ReflectUtils$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
[INFO] Scanning for projects...
[INFO]
[INFO] ------------------------< com.example.cms:cms >------------------------
[INFO] Building cms 1.0-SNAPSHOT
[INFO] --------------------------------[ jar ]---------------------------------
[INFO]
[INFO] --- maven-resources-plugin:3.0.2:resources (default-resources) @ cms ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /home/erishantgmail/Downloads/cms/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:compile (default-compile) @ cms ---
```

Note: Please refer to the previous demo on how to create the CMS project

The **mvn install** command is used to build and install a maven project into the local repository. This command compiles the source code, creates the JAR or WAR files, and installs them in the local repository, so that other projects become dependent on them.

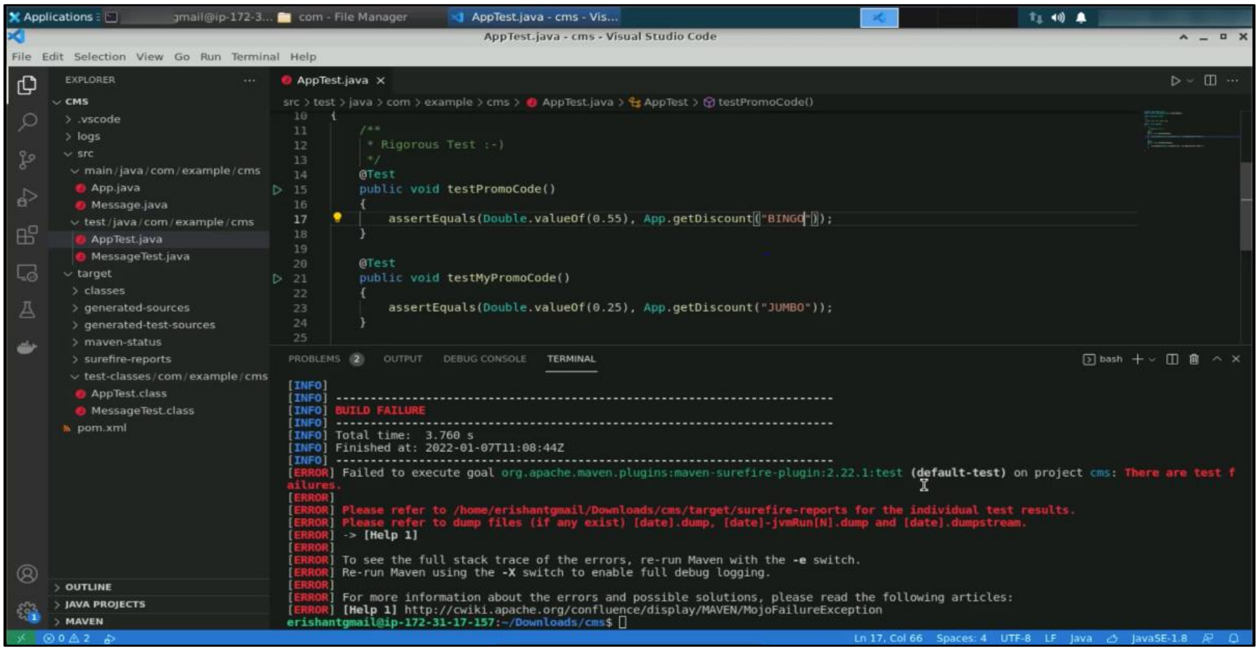


```
[INFO]
[INFO] ------------------------------------------------------------------------
[INFO] BUILD FAILURE
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  3.760 s
[INFO] Finished at: 2022-01-07T11:08:44Z
[INFO] ------------------------------------------------------------------------
[ERROR] Failed to execute goal org.apache.maven.plugins:maven-surefire-plugin:2.22.1:test (default-test) on project cms: There are test f
ailures.
[ERROR]
[ERROR] Please refer to /home/erishantgmail/Downloads/cms/target/surefire-reports for the individual test results.
[ERROR] Please refer to dump files (if any exist) [date].dump, [date]-jvmRun[N].dump and [date].dumpstream.
[ERROR] -> [Help 1]
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR]
[ERROR] For more information about the errors and possible solutions, please read the following articles:
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/MojoFailureException
erishantgmail@ip-172-31-17-157:~/Downloads/cms$
```

One of the test cases failed as the promo code in the Java file is incorrect.

Step 2: Create a package in the file manager

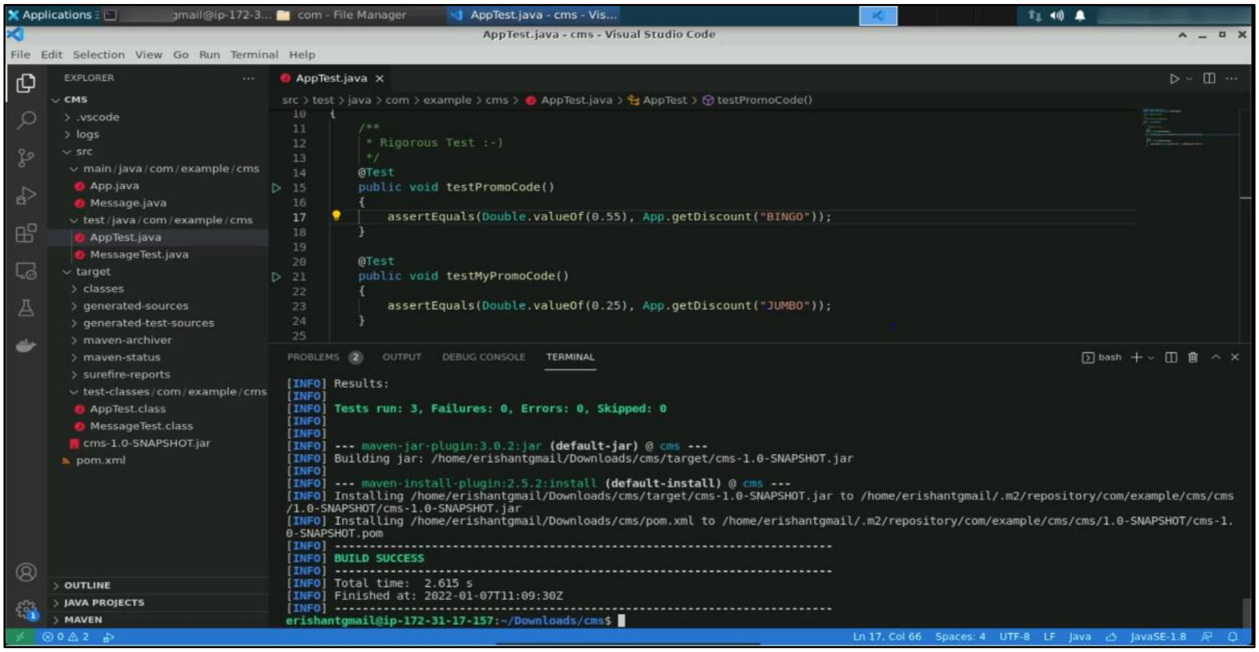
2.1 Change the promo code to **BINGO** in the **AppTest.java** file


AppTest.java - cms - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
CMS
.vscode
logs
src
main / java / com / example / cms
App.java
Message.java
test / java / com / example / cms
AppTest.java
MessageTest.java
target
classes
generated-sources
generated-test-sources
maven-status
surefire-reports
test-classes / com / example / cms
AppTest.class
MessageTest.class
pom.xml
OUTLINE
JAVA PROJECTS
MAVEN
src > test > java > com > example > cms > AppTest.java > AppTest > testPromoCode()
PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL
bash
Ln 17, Col 66 Spaces: 4 UTF-8 LF Java JavaSE-1.8

```java
{
    /**
     * Rigorous Test :-)
     */
    @Test
    public void testPromoCode()
    {
        assertEquals(Double.valueOf(0.55), App.getDiscount("BINGO"));
    }

    @Test
    public void testMyPromoCode()
    {
        assertEquals(Double.valueOf(0.25), App.getDiscount("JUMBO"));
    }
```

```
[INFO]
[INFO] ------------------------------------------------------------------------
[INFO] BUILD FAILURE
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  3.760 s
[INFO] Finished at: 2022-01-07T11:08:44Z
[INFO] ------------------------------------------------------------------------
[ERROR] Failed to execute goal org.apache.maven.plugins:maven-surefire-plugin:2.22.1:test (default-test) on project cms: There are test f
ailures.
[ERROR]
[ERROR] Please refer to /home/erishantgmail/Downloads/cms/target/surefire-reports for the individual test results.
[ERROR] Please refer to dump files (if any exist) [date].dump, [date]-jvmRun[N].dump and [date].dumpstream.
[ERROR] -> [Help 1]
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR]
[ERROR] For more information about the errors and possible solutions, please read the following articles:
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/MojoFailureException
erishantgmail@ip-172-31-17-157:~/Downloads/cms$
```

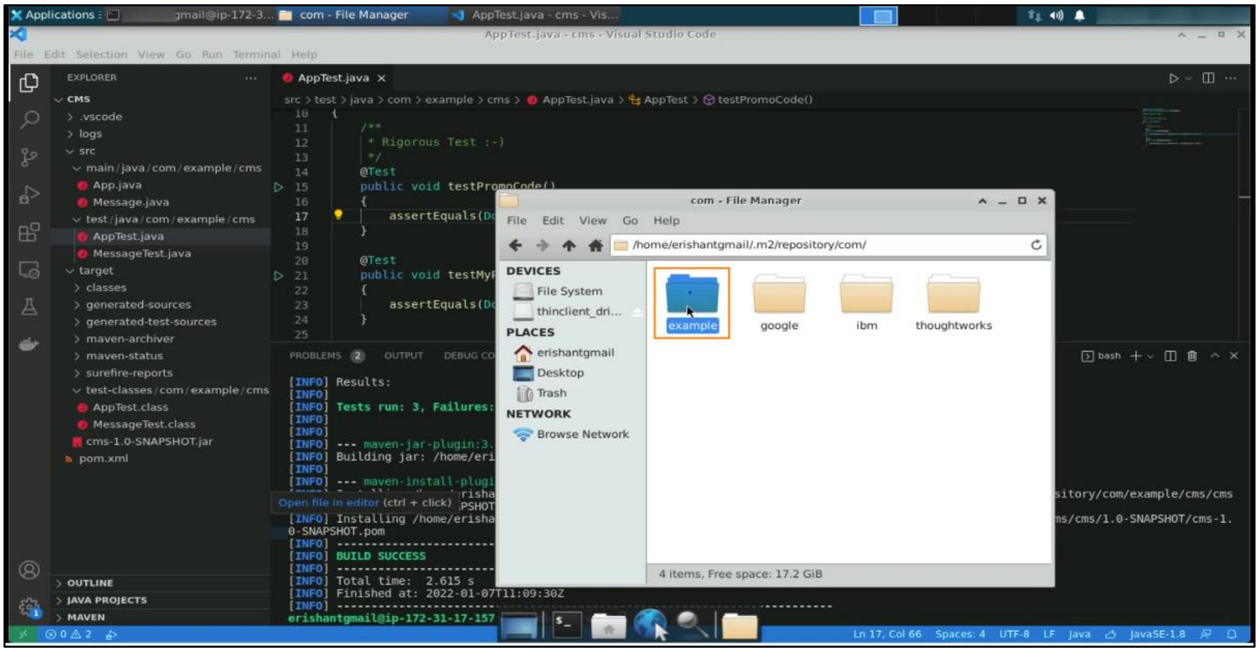
2.2 Execute **mvn install** again to run the build


AppTest.java - cms - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
CMS
.vscode
logs
src
main / java / com / example / cms
App.java
Message.java
test / java / com / example / cms
AppTest.java
MessageTest.java
target
classes
generated-sources
generated-test-sources
maven-archiver
maven-status
surefire-reports
test-classes / com / example / cms
AppTest.class
MessageTest.class
cms-1.0-SNAPSHOT.jar
pom.xml
OUTLINE
JAVA PROJECTS
MAVEN
src > test > java > com > example > cms > AppTest.java > AppTest > testPromoCode()
PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL
bash
Ln 17, Col 66 Spaces: 4 UTF-8 LF Java JavaSE-1.8

```java
{
    /**
     * Rigorous Test :-)
     */
    @Test
    public void testPromoCode()
    {
        assertEquals(Double.valueOf(0.55), App.getDiscount("BINGO"));
    }

    @Test
    public void testMyPromoCode()
    {
        assertEquals(Double.valueOf(0.25), App.getDiscount("JUMBO"));
    }
```

```
[INFO] Results:
[INFO]
[INFO] Tests run: 3, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- maven-jar-plugin:3.0.2:jar (default-jar) @ cms ---
[INFO] Building jar: /home/erishantgmail/Downloads/cms/target/cms-1.0-SNAPSHOT.jar
[INFO]
[INFO] --- maven-install-plugin:2.5.2:install (default-install) @ cms ---
[INFO] Installing /home/erishantgmail/Downloads/cms/target/cms-1.0-SNAPSHOT.jar to /home/erishantgmail/.m2/repository/com/example/cms/cms
/1.0-SNAPSHOT/cms-1.0-SNAPSHOT.jar
[INFO] Installing /home/erishantgmail/Downloads/cms/pom.xml to /home/erishantgmail/.m2/repository/com/example/cms/cms/1.0-SNAPSHOT/cms-1.
0-SNAPSHOT.pom
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  2.615 s
[INFO] Finished at: 2022-01-07T11:09:30Z
[INFO] ------------------------------------------------------------------------
erishantgmail@ip-172-31-17-157:~/Downloads/cms$
```

The **example** package is shown in the file manager after a successful build.



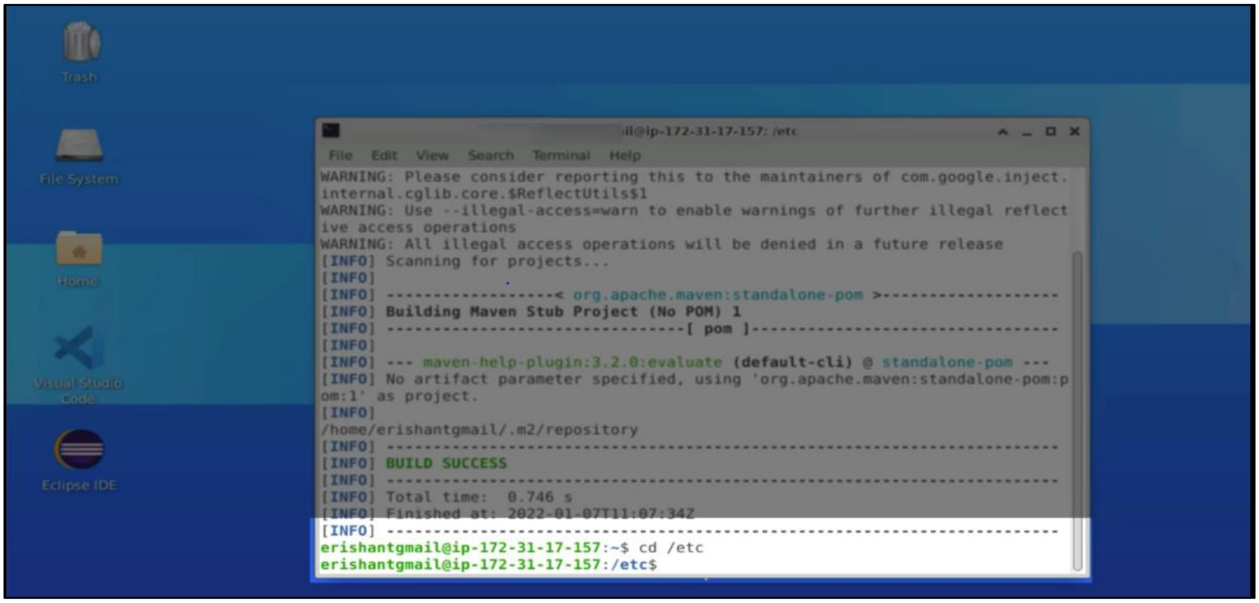
```
    {
        /**
         * Rigorous Test :-)
         */
        @Test
        public void testPromoCode()
        {
            assertEquals(Do
        }

        @Test
        public void testMyP
        {
            assertEquals(Do
        }
```

```
[INFO] Results:
[INFO]
[INFO] Tests run: 3, Failures:
[INFO]
[INFO]
[INFO] --- maven-jar-plugin:3.
[INFO] Building jar: /home/eri
[INFO]
[INFO] --- maven-install-plugi
                            risha                                        sitory/com/example/cms/cms
                            PSHOT
[INFO] Installing /home/erisha                                           ms/cms/1.0-SNAPSHOT/cms-1.
0-SNAPSHOT.pom
[INFO] -----------------------
[INFO] BUILD SUCCESS
[INFO] -----------------------
[INFO] Total time:  2.615 s
[INFO] Finished at: 2022-01-07T11:09:30Z
[INFO] -------------------------------------------------------------
erishantgmail@ip-172-31-17-157
```

Step 3: List down files in the directory

3.1 Use the **cd** command to navigate to the **etc** directory

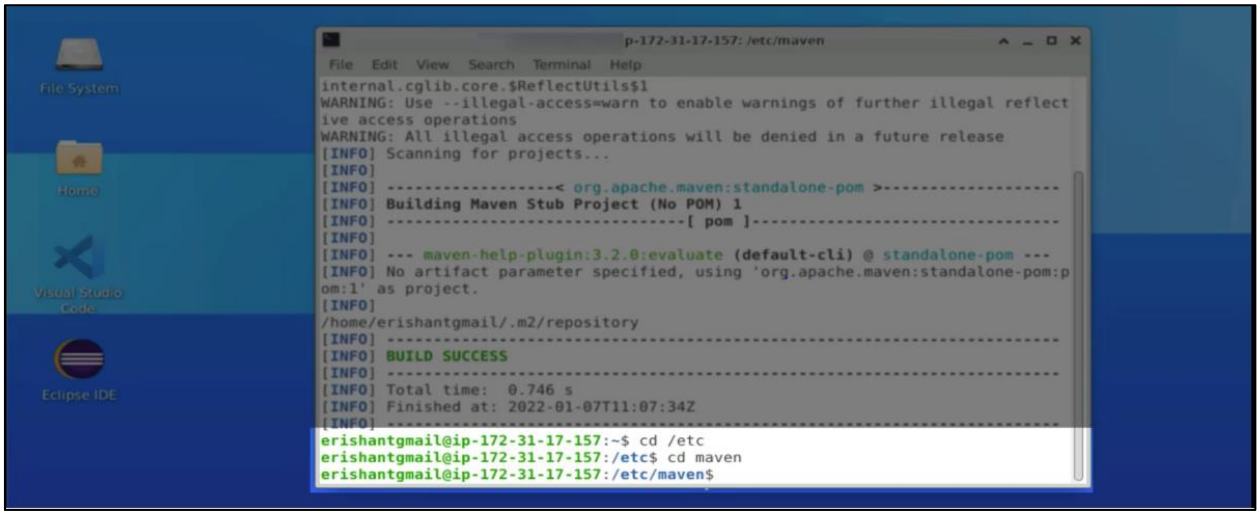
cd /etc


Trash
File System
Home
Visual Studio Code
Eclipse IDE
il@ip-172-31-17-157: /etc
File Edit View Search Terminal Help

```
WARNING: Please consider reporting this to the maintainers of com.google.inject.
internal.cglib.core.$ReflectUtils$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflect
ive access operations
WARNING: All illegal access operations will be denied in a future release
[INFO] Scanning for projects...
[INFO]
[INFO] ------------------< org.apache.maven:standalone-pom >-------------------
[INFO] Building Maven Stub Project (No POM) 1
[INFO] --------------------------------[ pom ]---------------------------------
[INFO]
[INFO] --- maven-help-plugin:3.2.0:evaluate (default-cli) @ standalone-pom ---
[INFO] No artifact parameter specified, using 'org.apache.maven:standalone-pom:p
om:1' as project.
[INFO]
/home/erishantgmail/.m2/repository
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  0.746 s
[INFO] Finished at: 2022-01-07T11:07:34Z
[INFO] ------------------------------------------------------------------------
erishantgmail@ip-172-31-17-157:~$ cd /etc
erishantgmail@ip-172-31-17-157:/etc$
```

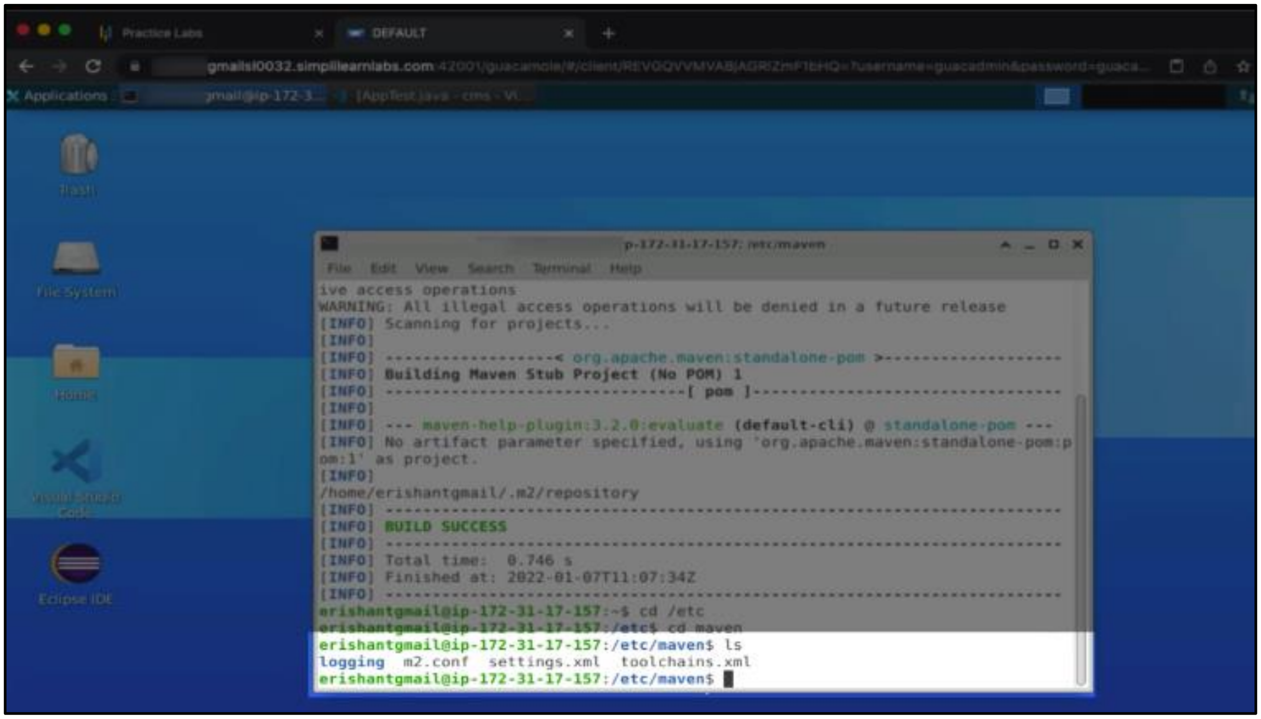
3.2 Use the **cd** command again to navigate to the **Maven** directory

cd maven



```
internal.cglib.core.$ReflectUtils$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflect
ive access operations
WARNING: All illegal access operations will be denied in a future release
[INFO] Scanning for projects...
[INFO]
[INFO] ------------------< org.apache.maven:standalone-pom >-------------------
[INFO] Building Maven Stub Project (No POM) 1
[INFO] --------------------------------[ pom ]---------------------------------
[INFO]
[INFO] --- maven-help-plugin:3.2.0:evaluate (default-cli) @ standalone-pom ---
[INFO] No artifact parameter specified, using 'org.apache.maven:standalone-pom:p
om:1' as project.
[INFO]
/home/erishantgmail/.m2/repository
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  0.746 s
[INFO] Finished at: 2022-01-07T11:07:34Z
[INFO] ------------------------------------------------------------------------
erishantgmail@ip-172-31-17-157:~$ cd /etc
erishantgmail@ip-172-31-17-157:/etc$ cd maven
erishantgmail@ip-172-31-17-157:/etc/maven$
```

3.3 List the files in the maven directory using the **ls** command



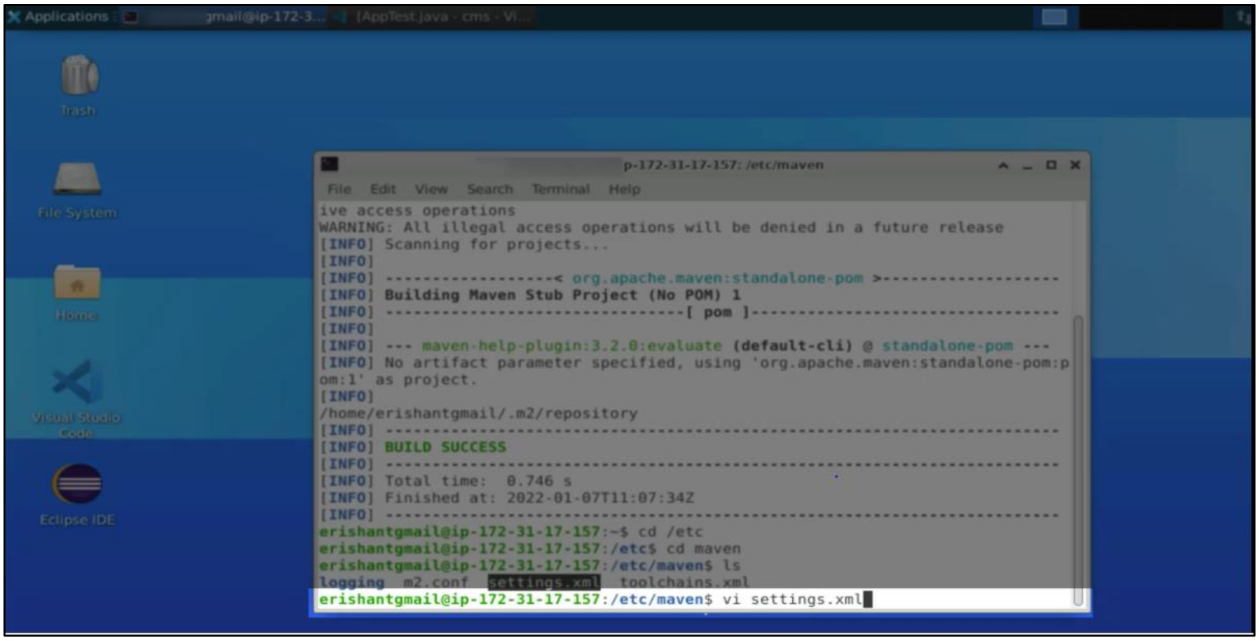
```
ive access operations
WARNING: All illegal access operations will be denied in a future release
[INFO] Scanning for projects...
[INFO]
[INFO] ------------------< org.apache.maven:standalone-pom >-------------------
[INFO] Building Maven Stub Project (No POM) 1
[INFO] --------------------------------[ pom ]---------------------------------
[INFO]
[INFO] --- maven-help-plugin:3.2.0:evaluate (default-cli) @ standalone-pom ---
[INFO] No artifact parameter specified, using 'org.apache.maven:standalone-pom:p
om:1' as project.
[INFO]
/home/erishantgmail/.m2/repository
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  0.746 s
[INFO] Finished at: 2022-01-07T11:07:34Z
[INFO] ------------------------------------------------------------------------
erishantgmail@ip-172-31-17-157:~$ cd /etc
erishantgmail@ip-172-31-17-157:/etc$ cd maven
erishantgmail@ip-172-31-17-157:/etc/maven$ ls
logging  m2.conf  settings.xml  toolchains.xml
erishantgmail@ip-172-31-17-157:/etc/maven$
```

You can find the **settings.xml** file.

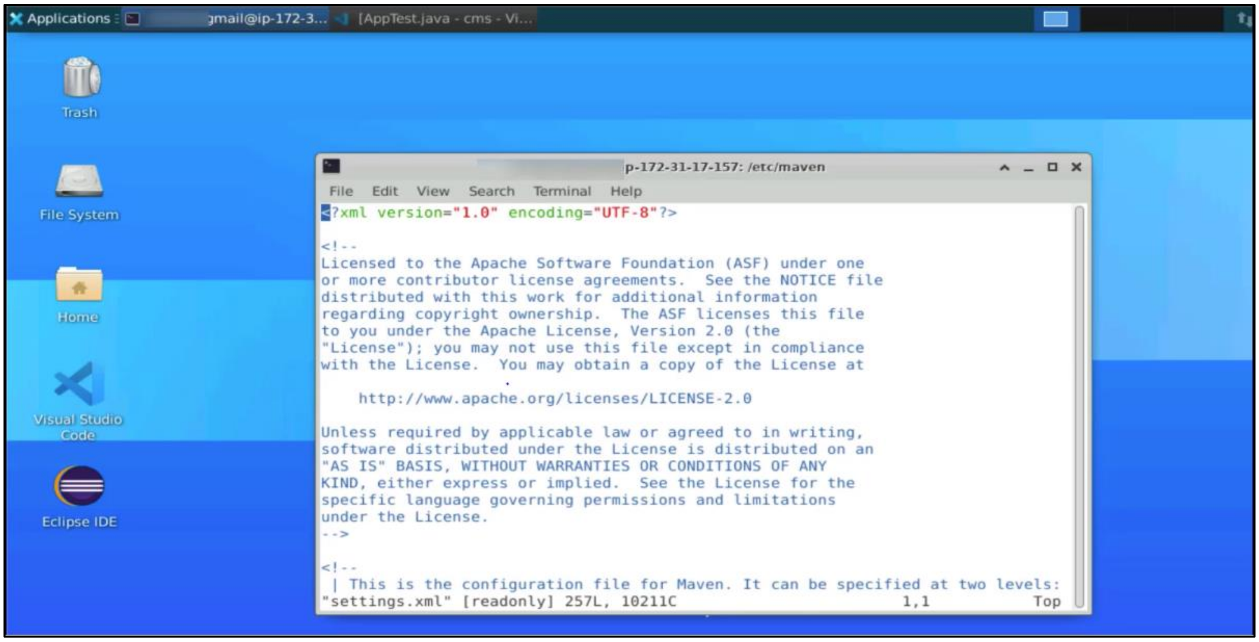
Step 4: Quitting the configuration

4.1 Open the **settings.xml** file using vi editor from the terminal

vi settings.xml


Applications
[redacted]gmail@ip-172-3...
[AppTest.java - cms - Vi...
Trash
File System
Home
Visual Studio Code
Eclipse IDE
[redacted]p-172-31-17-157: /etc/maven
File
Edit
View
Search
Terminal
Help

```
ive access operations
WARNING: All illegal access operations will be denied in a future release
[INFO] Scanning for projects...
[INFO]
[INFO] ------------------< org.apache.maven:standalone-pom >-------------------
[INFO] Building Maven Stub Project (No POM) 1
[INFO] --------------------------------[ pom ]---------------------------------
[INFO]
[INFO] --- maven-help-plugin:3.2.0:evaluate (default-cli) @ standalone-pom ---
[INFO] No artifact parameter specified, using 'org.apache.maven:standalone-pom:p
om:1' as project.
[INFO]
/home/erishantgmail/.m2/repository
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  0.746 s
[INFO] Finished at: 2022-01-07T11:07:34Z
[INFO] ------------------------------------------------------------------------
erishantgmail@ip-172-31-17-157:~$ cd /etc
erishantgmail@ip-172-31-17-157:/etc$ cd maven
erishantgmail@ip-172-31-17-157:/etc/maven$ ls
logging  m2.conf  settings.xml  toolchains.xml
erishantgmail@ip-172-31-17-157:/etc/maven$ vi settings.xml
```


Applications
[redacted]gmail@ip-172-3...
[AppTest.java - cms - Vi...
Trash
File System
Home
Visual Studio Code
Eclipse IDE
[redacted]p-172-31-17-157: /etc/maven
File
Edit
View
Search
Terminal
Help

```
<?xml version="1.0" encoding="UTF-8"?>

<!--
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or more contributor license agreements.  See the NOTICE file
distributed with this work for additional information
regarding copyright ownership.  The ASF licenses this file
to you under the Apache License, Version 2.0 (the
"License"); you may not use this file except in compliance
with the License.  You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing,
software distributed under the License is distributed on an
"AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY
KIND, either express or implied.  See the License for the
specific language governing permissions and limitations
under the License.
-->

<!--
 | This is the configuration file for Maven. It can be specified at two levels:
"settings.xml" [readonly] 257L, 10211C                        1,1           Top
```
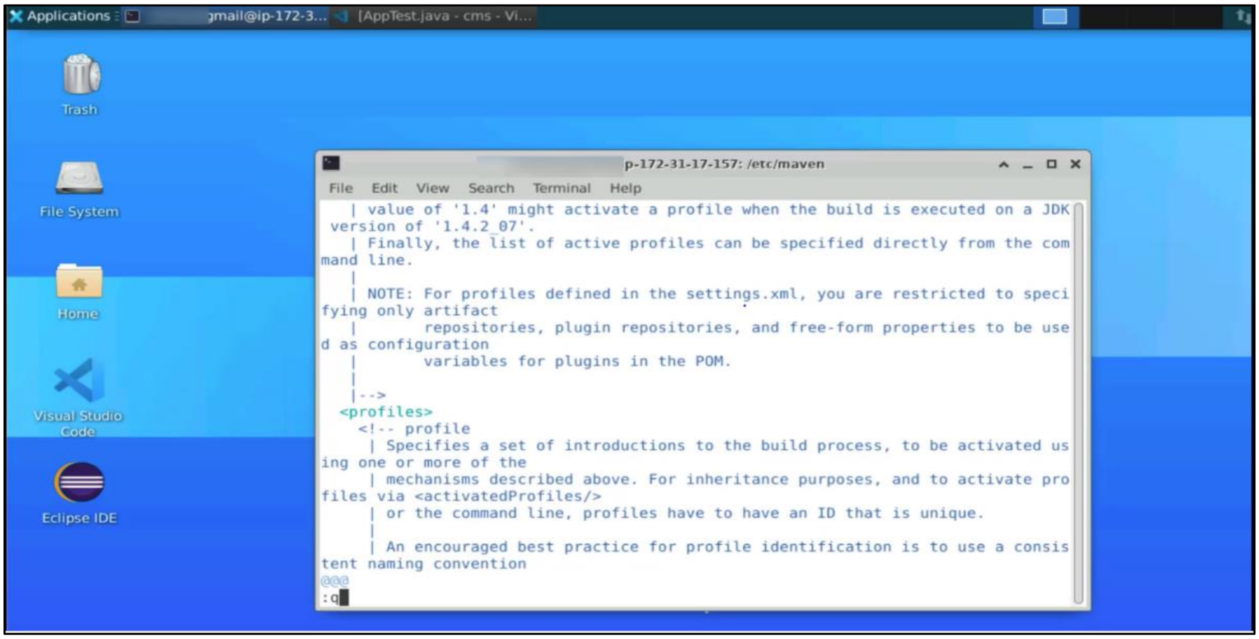
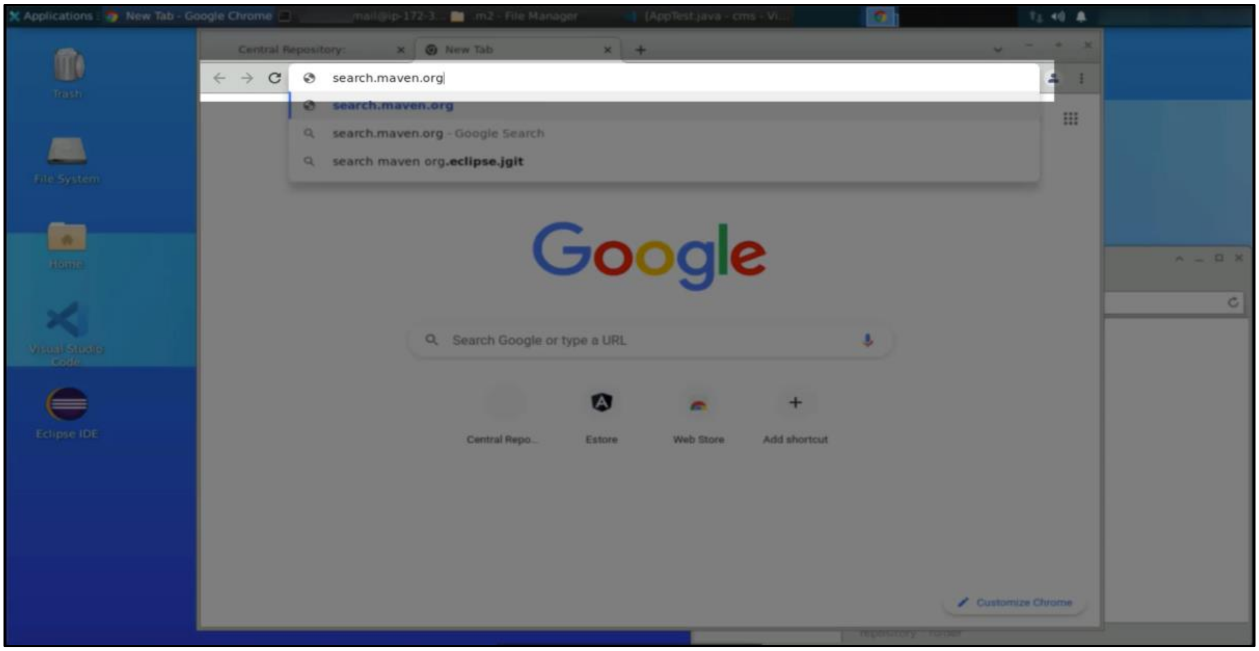

4.2 To perform the configuration in the local repository, type **:q**


Applications
Trash
File System
Home
Visual Studio Code
Eclipse IDE
p-172-31-17-157: /etc/maven
File Edit View Search Terminal Help

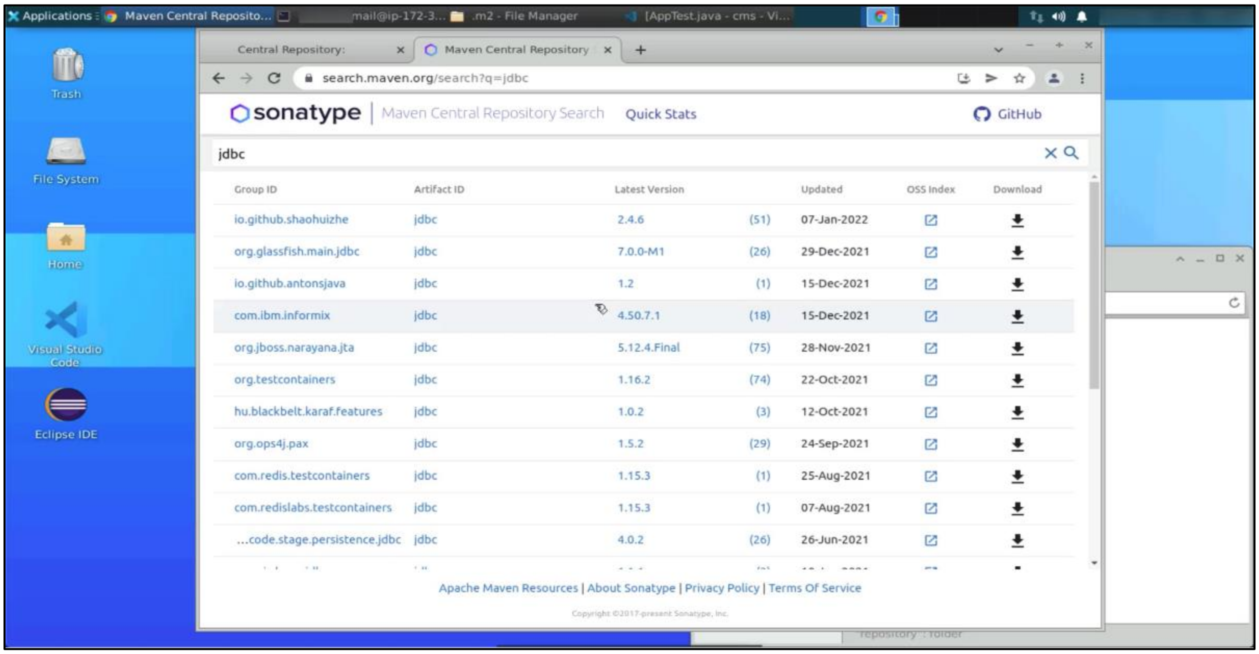
```
   | value of '1.4' might activate a profile when the build is executed on a JDK
 version of '1.4.2_07'.
   | Finally, the list of active profiles can be specified directly from the com
mand line.
   |
   | NOTE: For profiles defined in the settings.xml, you are restricted to speci
fying only artifact
   |       repositories, plugin repositories, and free-form properties to be use
d as configuration
   |       variables for plugins in the POM.
   |
   |-->
  <profiles>
    <!-- profile
     | Specifies a set of introductions to the build process, to be activated us
ing one or more of the
     | mechanisms described above. For inheritance purposes, and to activate pro
files via <activatedProfiles/>
     | or the command line, profiles have to have an ID that is unique.
     |
     | An encouraged best practice for profile identification is to use a consis
tent naming convention
@@@
:q
```

Step 5: Search for Super POM

5.1 To search the data from the central repository, open the browser and go to the url: **search.maven.org**



5.2 Search for the JDBC



search.maven.org/search?q=jdbc

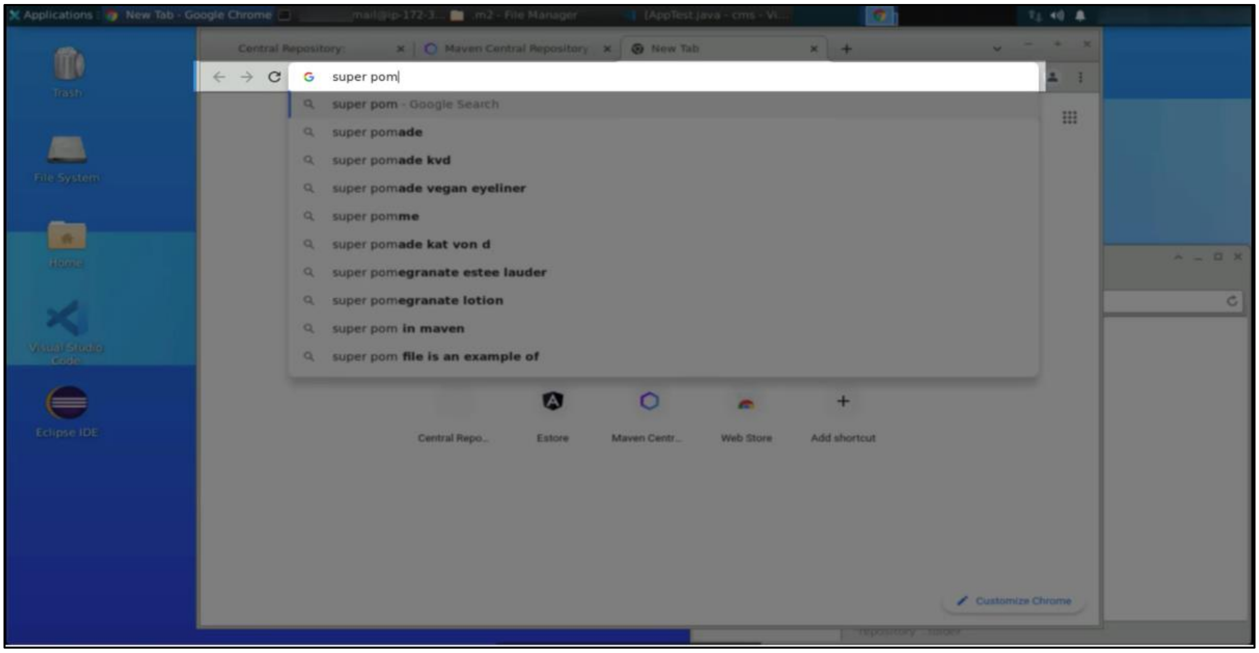
jdbc

Group ID	Artifact ID	Latest Version		Updated	OSS Index	Download
io.github.shaohuizhe	jdbc	2.4.6	(51)	07-Jan-2022		
org.glassfish.main.jdbc	jdbc	7.0.0-M1	(26)	29-Dec-2021		
io.github.antonsjava	jdbc	1.2	(1)	15-Dec-2021		
com.ibm.informix	jdbc	4.50.7.1	(18)	15-Dec-2021		
org.jboss.narayana.jta	jdbc	5.12.4.Final	(75)	28-Nov-2021		
org.testcontainers	jdbc	1.16.2	(74)	22-Oct-2021		
hu.blackbelt.karaf.features	jdbc	1.0.2	(3)	12-Oct-2021		
org.ops4j.pax	jdbc	1.5.2	(29)	24-Sep-2021		
com.redis.testcontainers	jdbc	1.15.3	(1)	25-Aug-2021		
com.redislabs.testcontainers	jdbc	1.15.3	(1)	07-Aug-2021		
...code.stage.persistence.jdbc	jdbc	4.0.2	(26)	26-Jun-2021		

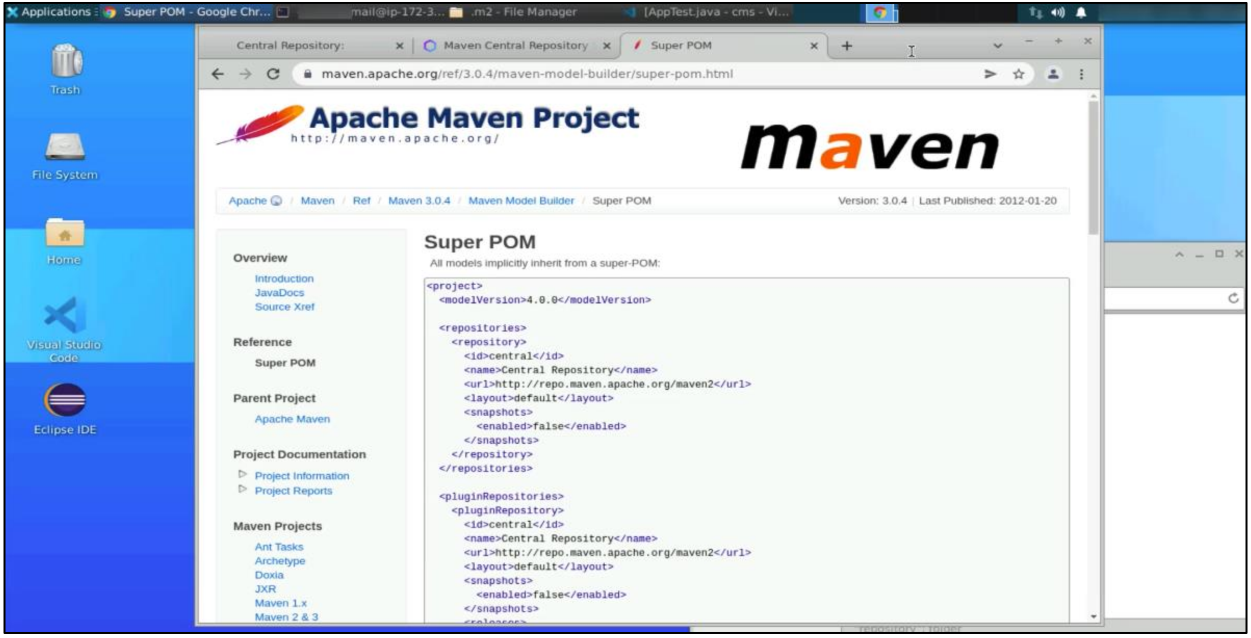
Applications
Maven Central Reposito...
.m2 - File Manager
[AppTest.java - cms - Vi...
Trash
File System
Home
Visual Studio Code
Eclipse IDE
Central Repository:
Maven Central Repository
sonatype
Maven Central Repository Search
Quick Stats
GitHub
Apache Maven Resources | About Sonatype | Privacy Policy | Terms Of Service
Copyright ©2017-present Sonatype, Inc.

All the packages in the released version can be seen.

5.3 Type **super pom** in the search box to check for the central repository configuration



super pom



Super POM

All models implicitly inherit from a super-POM:

```
<project>
  <modelVersion>4.0.0</modelVersion>

  <repositories>
    <repository>
      <id>central</id>
      <name>Central Repository</name>
      <url>http://repo.maven.apache.org/maven2</url>
      <layout>default</layout>
      <snapshots>
        <enabled>false</enabled>
      </snapshots>
    </repository>
  </repositories>

  <pluginRepositories>
    <pluginRepository>
      <id>central</id>
      <name>Central Repository</name>
      <url>http://repo.maven.apache.org/maven2</url>
      <layout>default</layout>
      <snapshots>
        <enabled>false</enabled>
      </snapshots>
```

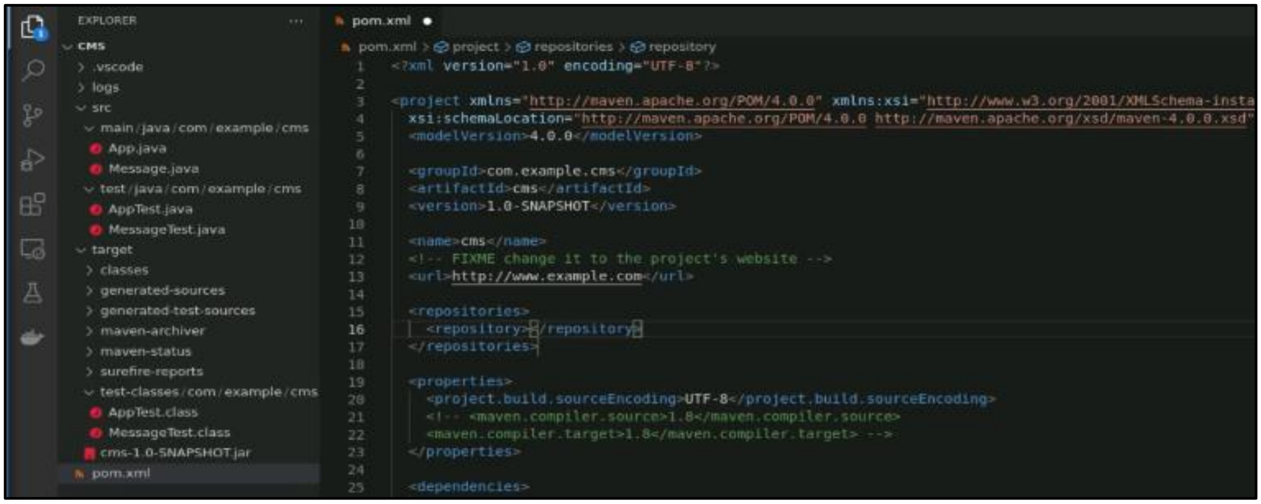
Step 6: Create command repository

6.1 Create a repositories tag in the **pom.xml** file of CMS project

<repositories>

<repository></repository>

</repositories>



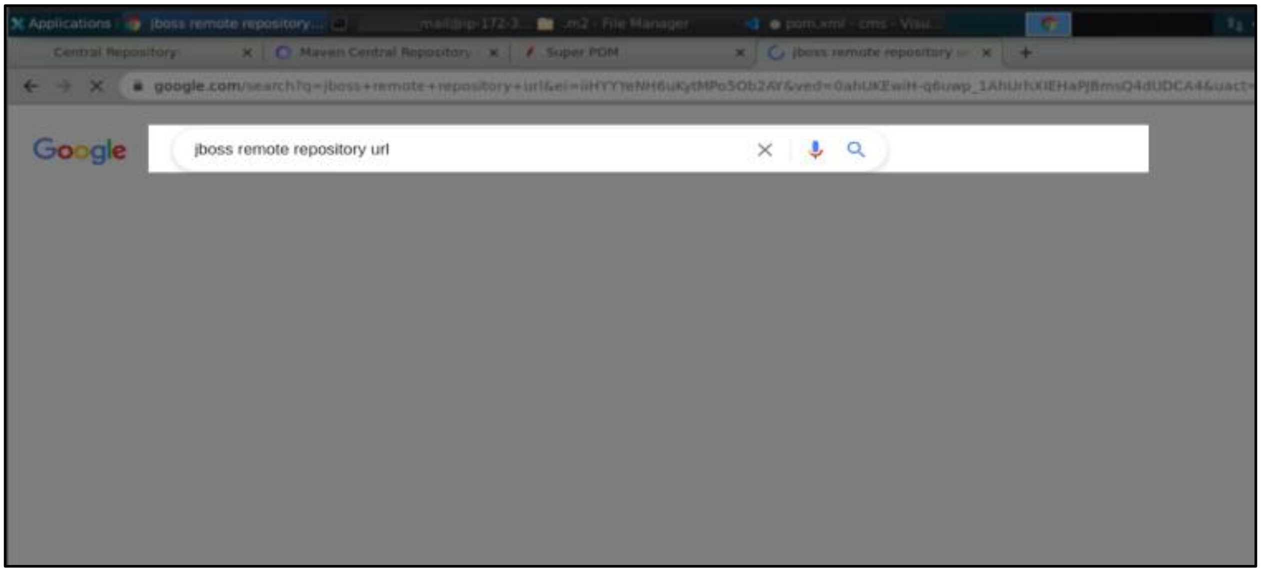
```
<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-insta
  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.example.cms</groupId>
  <artifactId>cms</artifactId>
  <version>1.0-SNAPSHOT</version>

  <name>cms</name>
  <!-- FIXME change it to the project's website -->
  <url>http://www.example.com</url>

  <repositories>
    <repository></repository>
  </repositories>

  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <!-- <maven.compiler.source>1.8</maven.compiler.source>
    <maven.compiler.target>1.8</maven.compiler.target> -->
  </properties>

  <dependencies>
```

Note: Please refer to the previous demo on how to create the CMS project

Step 7: Add ID and URL

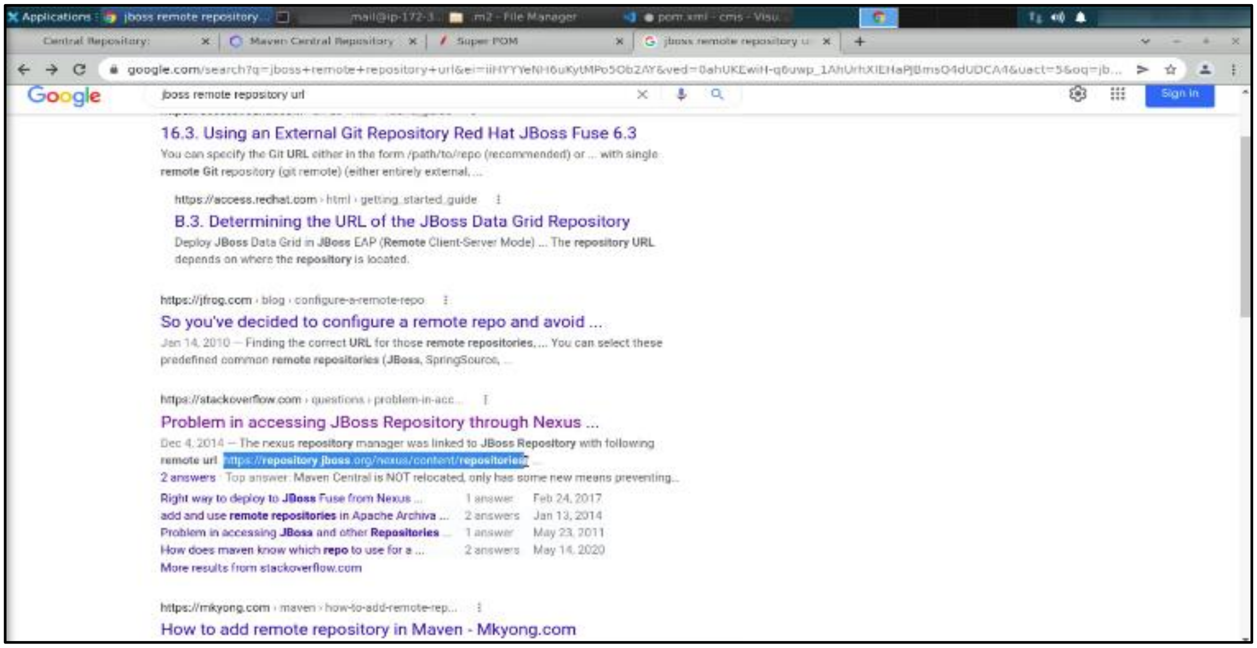
7.1 Go to the search box and type the following:

jboss remote repository url


Applications
jboss remote repository...
mail@ip-172-3...
.m2 - File Manager
pom.xml - cms - Visu...
Central Repository:
Maven Central Repository
Super POM
jboss remote repository u
google.com/search?q=jboss+remote+repository+url&ei=iiHYYYeNH6uKytMPo5Ob2AY&ved=0ahUKEwiH-q6uwp_1AhUrhXIEHaPjBmsQ4dUDCA4&uact=
Google
jboss remote repository url

7.2 Look for the remote URL

https://repository.jboss.org/nexus/content/repositories/


Applications
jboss remote repository...
mail@ip-172-3...
.m2 - File Manager
pom.xml - cms - Visu...
Central Repository:
Maven Central Repository
Super POM
jboss remote repository u
google.com/search?q=jboss+remote+repository+url&ei=iiHYYYeNH6uKytMPo5Ob2AY&ved=0ahUKEwiH-q6uwp_1AhUrhXIEHaPjBmsQ4dUDCA4&uact=5&oq=jb...
Google
jboss remote repository url
Sign in

16.3. Using an External Git Repository Red Hat JBoss Fuse 6.3

You can specify the Git **URL** either in the form /path/to/repo (recommended) or ... with single **remote Git** repository (git remote) (either entirely external, ...

https://access.redhat.com › html › getting_started_guide

B.3. Determining the URL of the JBoss Data Grid Repository

Deploy **JBoss** Data Grid in **JBoss** EAP (**Remote** Client-Server Mode) ... The **repository URL** depends on where the **repository** is located.

https://jfrog.com › blog › configure-a-remote-repo

So you've decided to configure a remote repo and avoid ...

Jan 14, 2010 — Finding the correct **URL** for those **remote repositories**, ... You can select these predefined common **remote repositories** (**JBoss**, SpringSource, ...

https://stackoverflow.com › questions › problem-in-acc...

Problem in accessing JBoss Repository through Nexus ...

Dec 4, 2014 — The nexus **repository** manager was linked to **JBoss Repository** with following **remote url** https://**repository**.**jboss**.org/nexus/content/**repositories** ...

2 answers · Top answer: Maven Central is NOT relocated, only has some new means preventing...

Right way to deploy to **JBoss** Fuse from Nexus ...	1 answer	Feb 24, 2017
add and use **remote repositories** in Apache Archiva ...	2 answers	Jan 13, 2014
Problem in accessing **JBoss** and other **Repositories** ...	1 answer	May 23, 2011
How does maven know which **repo** to use for a ...	2 answers	May 14, 2020

More results from stackoverflow.com

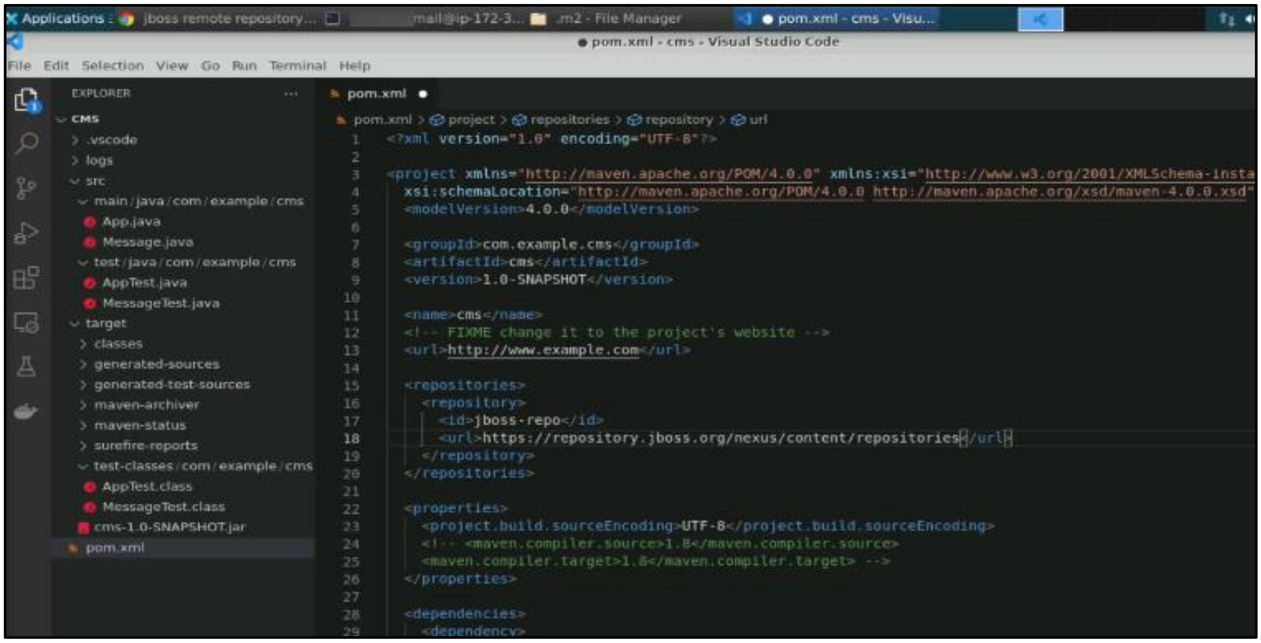
https://mkyong.com › maven › how-to-add-remote-rep...

How to add remote repository in Maven - Mkyong.com

7.3 Go back to the **pom.xml** file and add the following code in the **repository** tag:

<id>jboss-repo</id>

<url>https://repository.jboss.org/nexus/content/repositories</url>

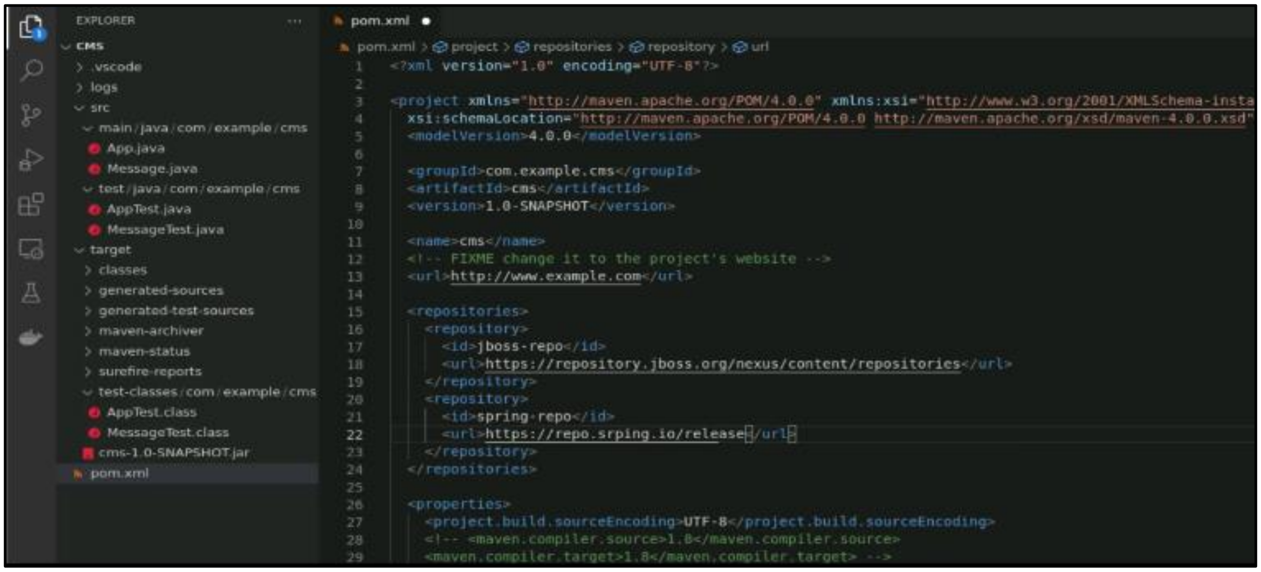


```xml
<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-insta
  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.example.cms</groupId>
  <artifactId>cms</artifactId>
  <version>1.0-SNAPSHOT</version>

  <name>cms</name>
  <!-- FIXME change it to the project's website -->
  <url>http://www.example.com</url>

  <repositories>
    <repository>
      <id>jboss-repo</id>
      <url>https://repository.jboss.org/nexus/content/repositories</url>
    </repository>
  </repositories>

  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <!-- <maven.compiler.source>1.8</maven.compiler.source>
    <maven.compiler.target>1.8</maven.compiler.target> -->
  </properties>

  <dependencies>
    <dependency>
```

7.4 Add one more ID and URL for another repository called **spring-repo**

<id>spring-repo</id>

<url>https://repo.srping.io/release</url>



```xml
<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-insta
  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.example.cms</groupId>
  <artifactId>cms</artifactId>
  <version>1.0-SNAPSHOT</version>

  <name>cms</name>
  <!-- FIXME change it to the project's website -->
  <url>http://www.example.com</url>

  <repositories>
    <repository>
      <id>jboss-repo</id>
      <url>https://repository.jboss.org/nexus/content/repositories</url>
    </repository>
    <repository>
      <id>spring-repo</id>
      <url>https://repo.srping.io/release</url>
    </repository>
  </repositories>

  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <!-- <maven.compiler.source>1.8</maven.compiler.source>
    <maven.compiler.target>1.8</maven.compiler.target> -->
```

This is how we can link the local repository in the project. The users can configure their repository (as required) through the repository tag, known as the remote repository.

By following these steps, you have successfully executed the mvn command, created a package, listed directory files, quit the configuration, searched for the Super POM, created a command repository, and added the ID and URL.