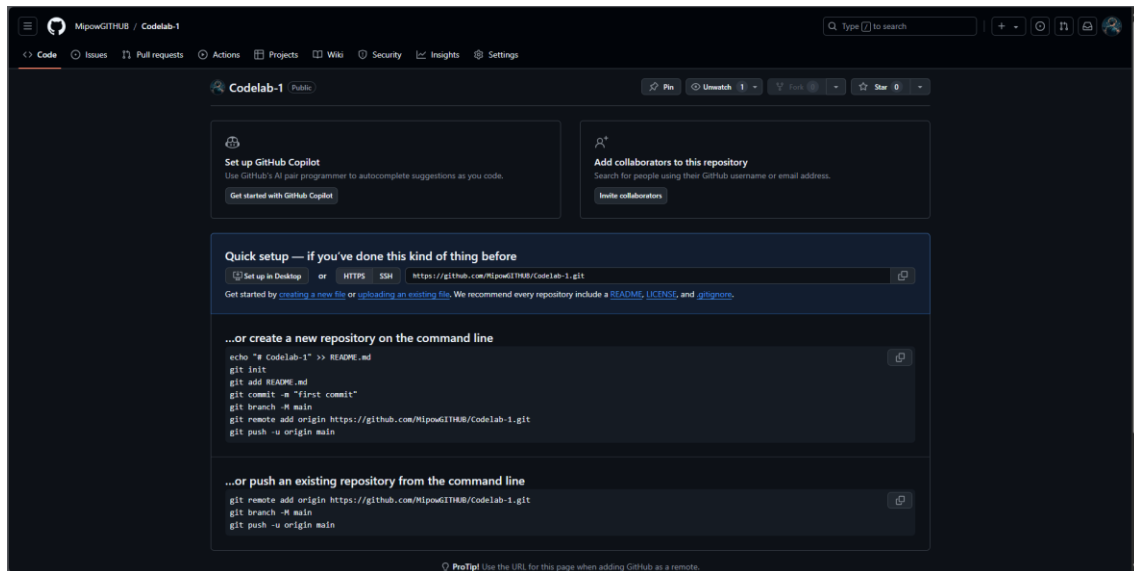


Ahmad Nur Mu'minin

202310370311089

3C – Pemrograman Lanjut

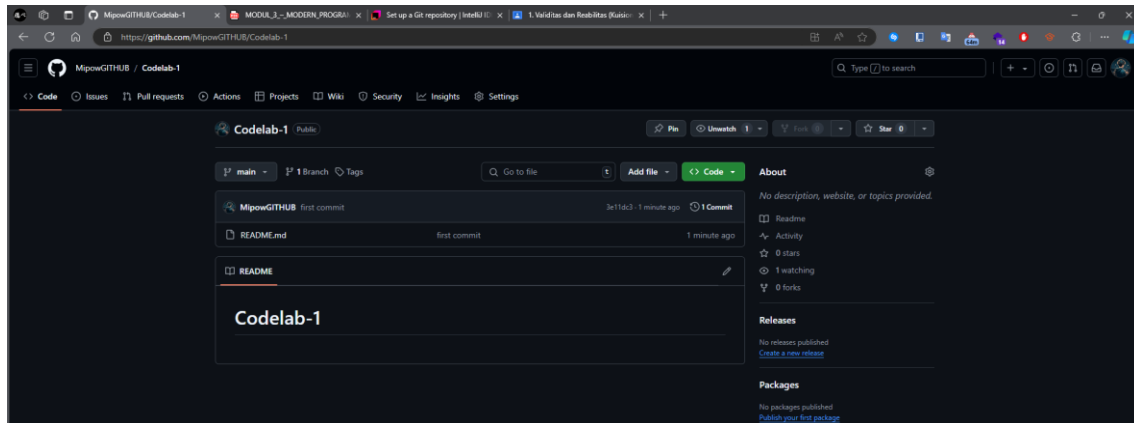
Codelab 01



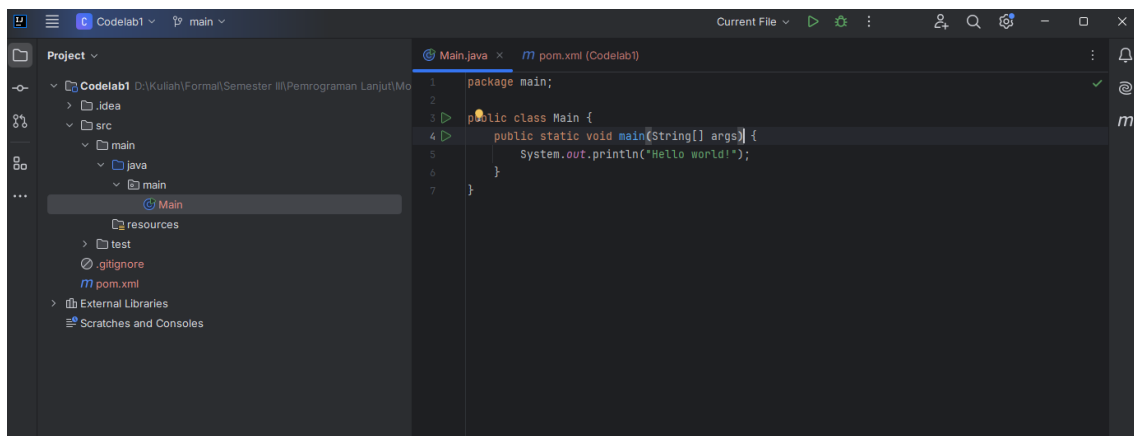
Membuat repository terlebih dahulu pada akun github. Setelah sudah masuk ke directory pada git lalu masukan command pada git

```
MINGW64/d/Kuliah/Formal/Semester III/Pemrograman Lanjut/Modul 3
$ echo "# Codelab-1" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/MipowGITHUB/Codelab-1.git
git push -u origin main
Reinitialized existing Git repository in D:/Kuliah/Formal/Semester III/Pemrograman Lanjut/Modul 3/.git/
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
[master (root-commit) 3e11dc3] first commit
1 file changed, 1 insertion(+)
create mode 100644 README.md
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 232 bytes | 232.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/MipowGITHUB/Codelab-1.git
* [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

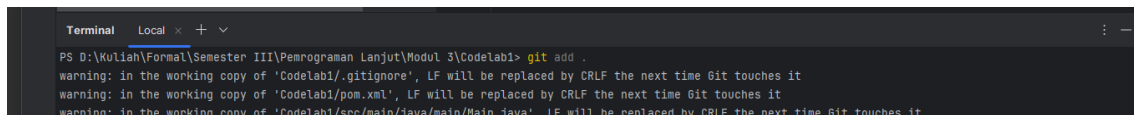
Setelah menrefresh halaman pada github akan seperti ini



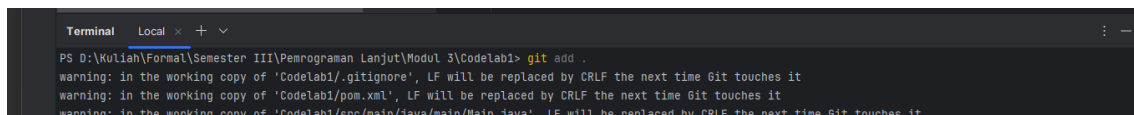
Setelah itu membuat project pada intelij dan disimpan di directory yang sama.



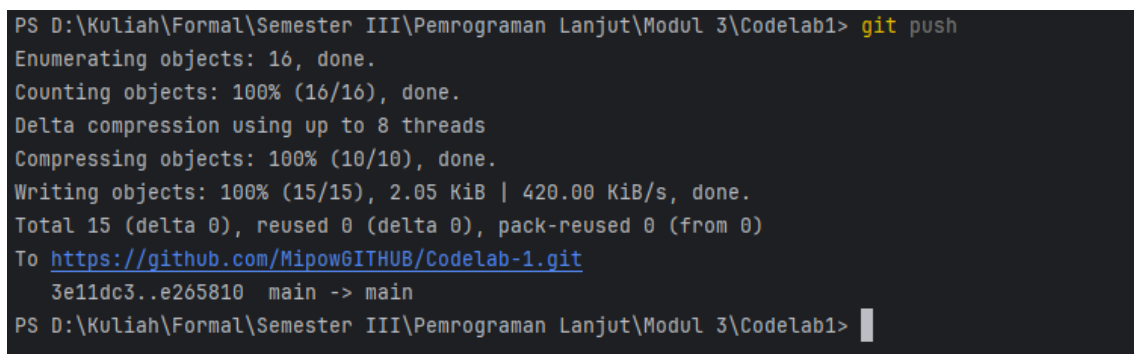
Pada terminal ketikkan command **git add**.



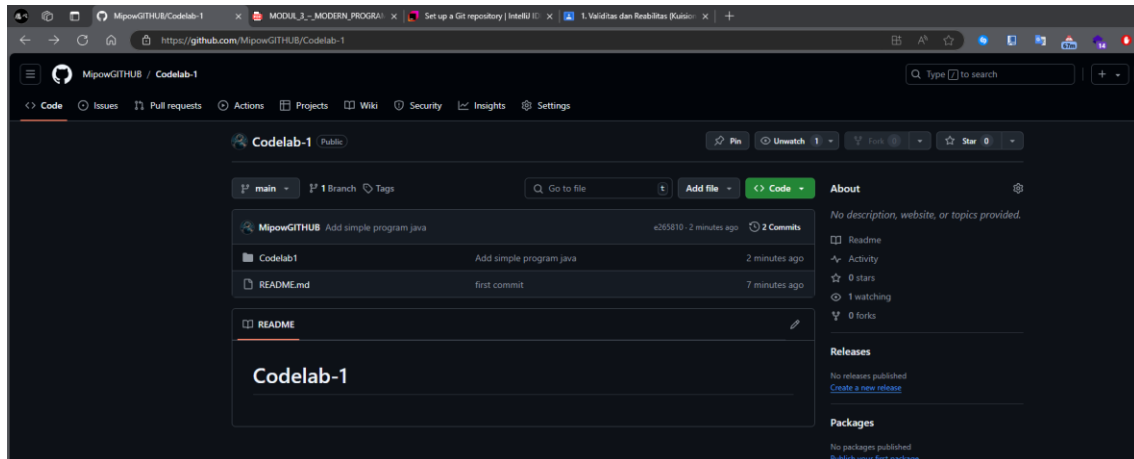
lalu **git commit -m "Add simple java program"**



Lalu **git push**

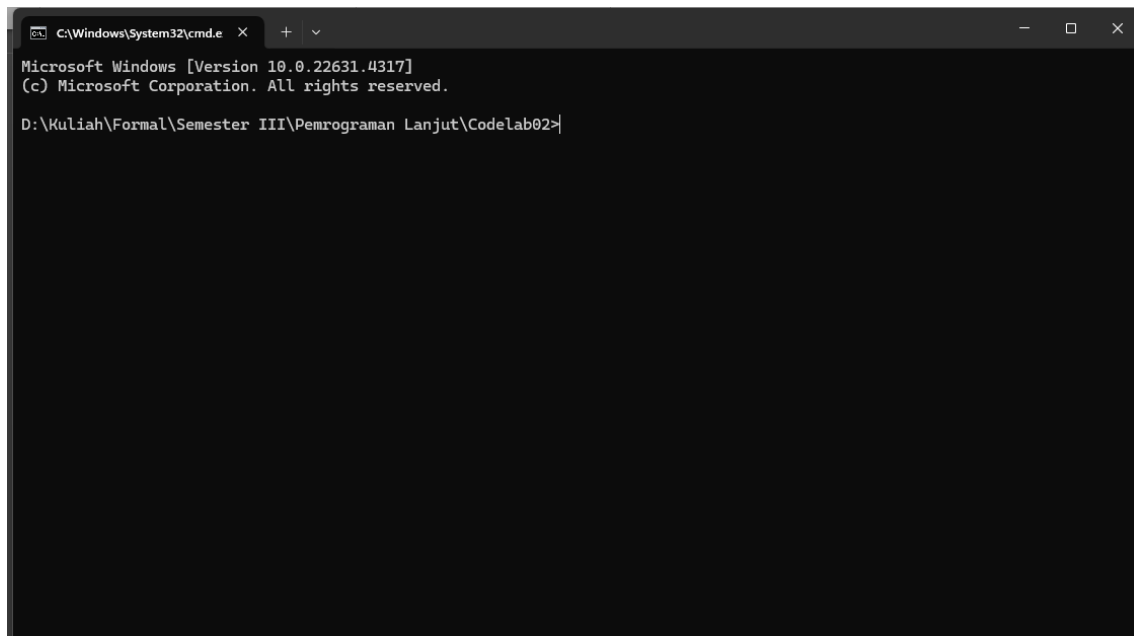
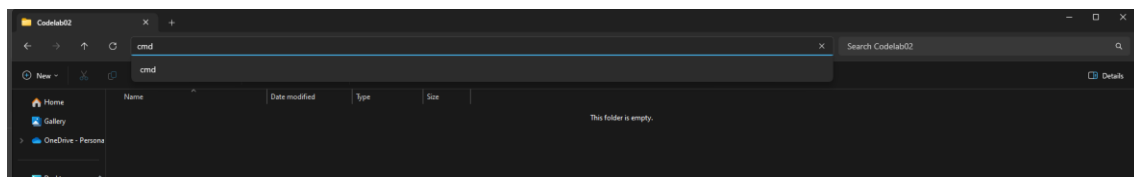


Dan pada hasilnya di cek pada web github repository tadi



CodeLab 02

Buat folder baru yang akan berisi codelab kita lalu pada Alamat folder kita ubah ke cmd



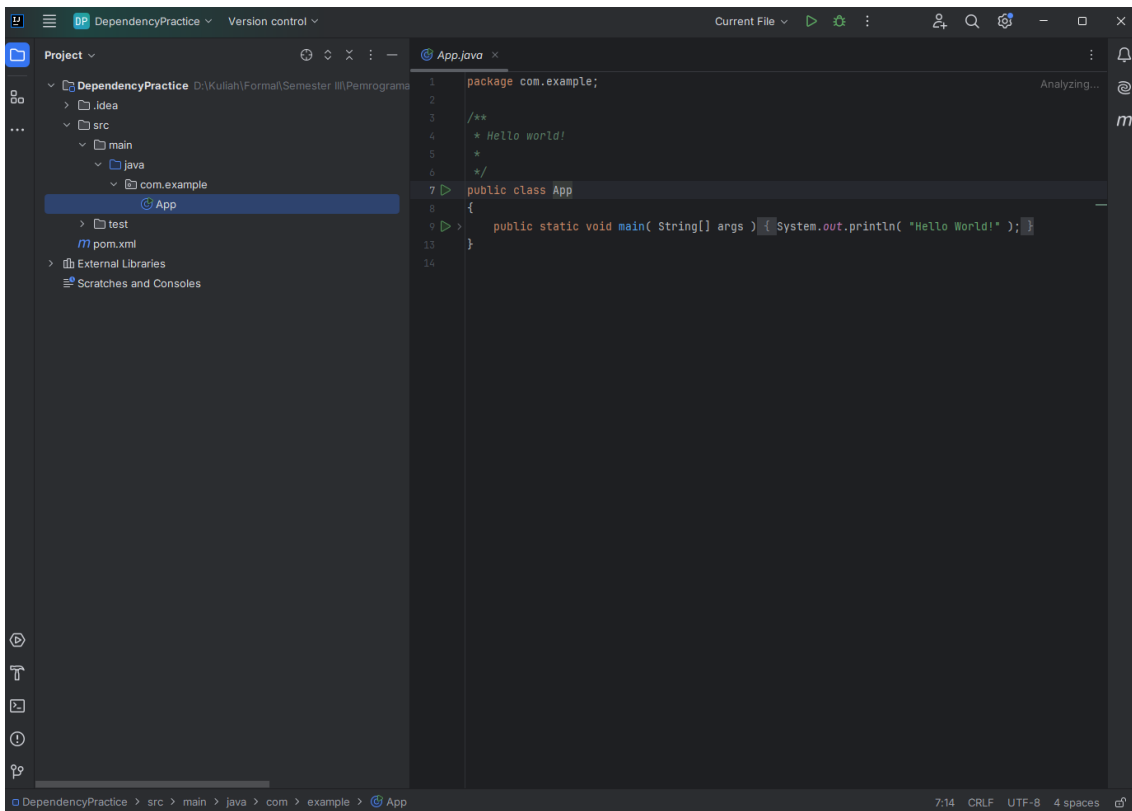
Lalu masukkan command pada cmd sesuai modul

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22631.4317]
(c) Microsoft Corporation. All rights reserved.

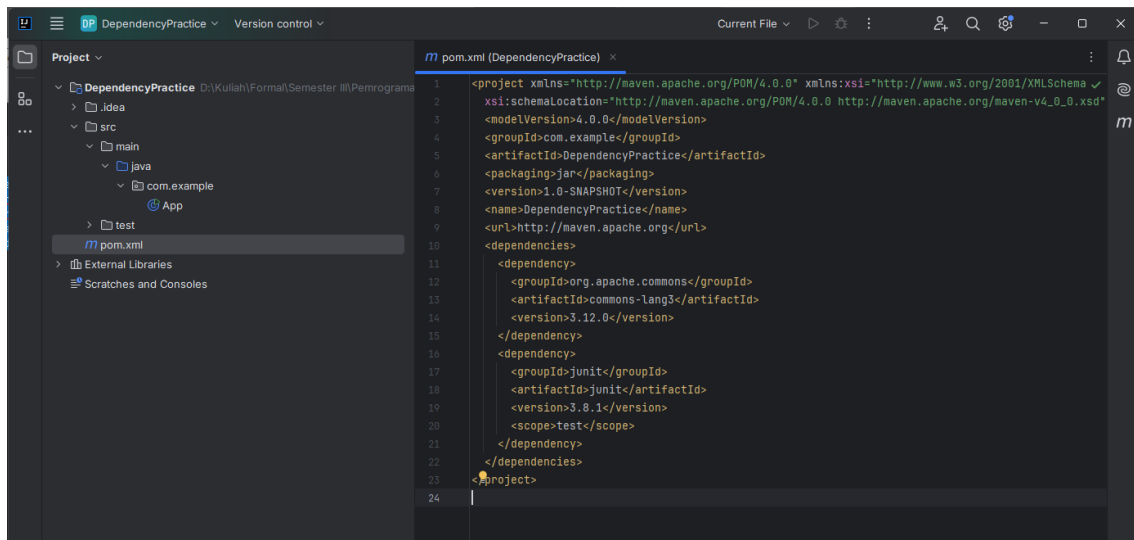
D:\Kuliah\Formal\Semester III\Pemrograman Lanjut\CodeLab02> mvn archetype:generate -DgroupId=com.example -DartifactId=DependencyPractice -DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false

D:\Kuliah\Formal\Semester III\Pemrograman Lanjut\CodeLab02> mvn archetype:generate -DgroupId=com.example -DartifactId=DependencyPractice -DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false
[INFO] Scanning for projects...
[INFO]
[INFO] ----- org.apache.maven:standalone-pom -----
[INFO] Building Maven Stub Project (No POM) 1
[INFO]
[INFO]
[INFO] >>> archetype:3.3.0:generate (default-cli) > generate-sources @ standalone-pom >>>
[INFO]
[INFO] <<< archetype:3.3.0:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO]
[INFO] --- archetype:3.3.0:generate (default-cli) @ standalone-pom ---
[INFO] Generating project in Batch mode
[INFO]
[INFO] Using following parameters for creating project from Old (1.x) Archetype: maven-archetype-quickstart:1.0
[INFO]
[INFO] Parameter: basedir, Value: D:\Kuliah\Formal\Semester III\Pemrograman Lanjut\CodeLab02
[INFO] Parameter: package, Value: com.example
[INFO] Parameter: groupId, Value: com.example
[INFO] Parameter: artifactId, Value: DependencyPractice
[INFO] Parameter: packageName, Value: com.example
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] Project created from Old (1.x) Archetype in dir: D:\Kuliah\Formal\Semester III\Pemrograman Lanjut\CodeLab02\DependencyPractice
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 0.698 s
[INFO] Finished at: 2024-10-23T20:26:41+07:00
[INFO]
D:\Kuliah\Formal\Semester III\Pemrograman Lanjut\CodeLab02>
```

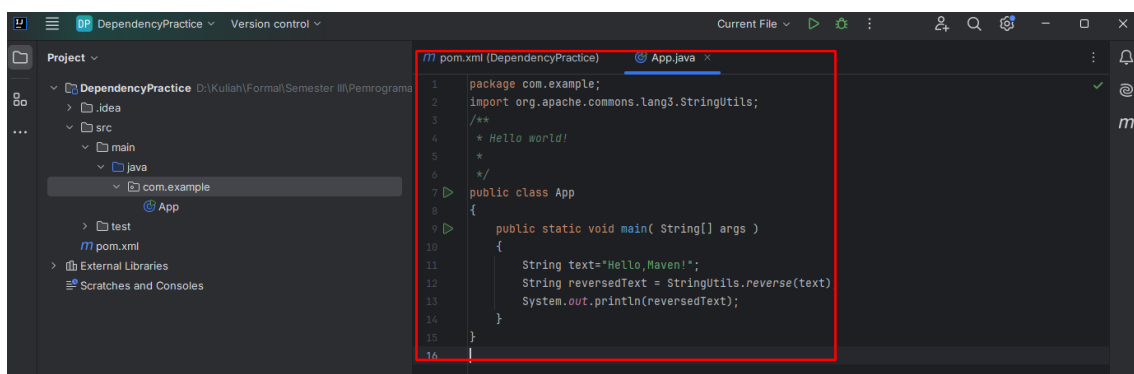
Setelah program terbuat maka cek di intellij apakah sudah bisa membuka programnya.



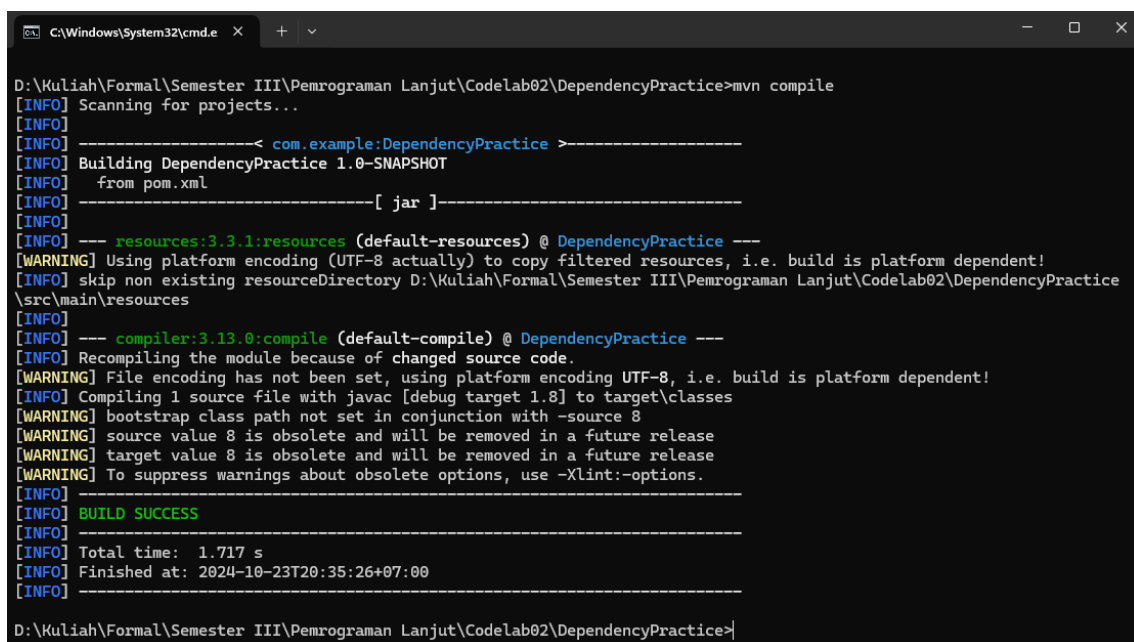
Setelah itu cek pom. Xml dan copy dependency ke pom xml



Lalu copy pada program ke file App



Setelah sudah run pada cmd tadi



Setelah itu ketik command **mvnexec:java -Dexec.mainClass="com.example.App"**

```

D:\Kuliah\Formal\Semester III\Pemrograman Lanjut\Codelab02\DependencyPractice>mvn exec:java -Dexec.mainClass="com.example.App"
[INFO] Scanning for projects...
[INFO]
[INFO] < com.example.DependencyPractice >
[INFO] Building DependencyPractice 1.0-SNAPSHOT
[INFO] from pom.xml
[INFO]
[INFO] [ jar ]
[INFO]
[INFO] --- exec:3.5.0:java (default-cli) @ DependencyPractice ---
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/resolver/maven-resolver-util/1.4.1/maven-resolver-util-1.4.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/resolver/maven-resolver-util/1.4.1/maven-resolver-util-1.4.1.pom (2.8 kB at 4.7 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/resolver/maven-resolver/1.4.1/maven-resolver-1.4.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/resolver/maven-resolver/1.4.1/maven-resolver-1.4.1.pom (18 kB at 216 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/resolver/maven-resolver-api/1.4.1/maven-resolver-api-1.4.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/resolver/maven-resolver-api/1.4.1/maven-resolver-api-1.4.1.pom (2.6 kB at 55 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/4.0.2/plexus-utils-4.0.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/4.0.2/plexus-utils-4.0.2.pom (13 kB at 210 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-exec/1.4.0/commons-exec-1.4.0.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-exec/1.4.0/commons-exec-1.4.0.pom (9.5 kB at 167 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm/9.7.1/asm-9.7.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm/9.7.1/asm-9.7.1.pom (2.4 kB at 48 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-commons/9.7.1/asm-commons-9.7.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-commons/9.7.1/asm-commons-9.7.1.pom (2.8 kB at 55 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-tree/9.7.1/asm-tree-9.7.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-tree/9.7.1/asm-tree-9.7.1.pom (2.6 kB at 50 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/resolver/maven-resolver-util/1.4.1/maven-resolver-util-1.4.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/resolver/maven-resolver-util/1.4.1/maven-resolver-util-1.4.1.jar (168 kB at 1.1 MB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/resolver/maven-resolver-api/1.4.1/maven-resolver-api-1.4.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/resolver/maven-resolver-api/1.4.1/maven-resolver-api-1.4.1.jar (168 kB at 1.1 MB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/4.0.2/plexus-utils-4.0.2.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/4.0.2/plexus-utils-4.0.2.jar (193 kB at 291 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-exec/1.4.0/commons-exec-1.4.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-exec/1.4.0/commons-exec-1.4.0.jar (66 kB at 81 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm/9.7.1/asm-9.7.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm/9.7.1/asm-9.7.1.jar (126 kB at 278 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-commons/9.7.1/asm-commons-9.7.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-commons/9.7.1/asm-commons-9.7.1.jar (73 kB at 158 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-tree/9.7.1/asm-tree-9.7.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-tree/9.7.1/asm-tree-9.7.1.jar (52 kB at 92 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/resolver/maven-resolver-api/1.4.1/maven-resolver-api-1.4.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/resolver/maven-resolver-api/1.4.1/maven-resolver-api-1.4.1.jar (149 kB at 263 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/4.0.2/plexus-utils-4.0.2.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/4.0.2/plexus-utils-4.0.2.jar (193 kB at 291 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-exec/1.4.0/commons-exec-1.4.0.jar (66 kB at 81 kB/s)
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 3.518 s
[INFO] Finished at: 2024-10-23T20:37:07+07:00
[INFO]
D:\Kuliah\Formal\Semester III\Pemrograman Lanjut\Codelab02\DependencyPractice>

```

Codelab 03

Disini di suruh membuat file readme. Saya menggunakan readme hasil repository github pada code lab 01 maka Kembali ke Alamat folder manager pada codelab 01 tadi dan membuat file readme di intelij pada folder modul 3 dengan gitbash

```

MINGW64:/d/Kuliah/Formal/Semester III/Pemrograman Lanjut/Modul 3/DocumentationPractice

mumin@mipow MINGW64 /d/Kuliah/Formal/Semester III/Pemrograman Lanjut/Modul 3 (main)
$ mkdir DocumentationPractice

mumin@mipow MINGW64 /d/Kuliah/Formal/Semester III/Pemrograman Lanjut/Modul 3 (main)
$ cd DocumentationPractice/

mumin@mipow MINGW64 /d/Kuliah/Formal/Semester III/Pemrograman Lanjut/Modul 3/DocumentationPractice (main)
$ git add README.md
fatal: pathspec 'README.md' did not match any files

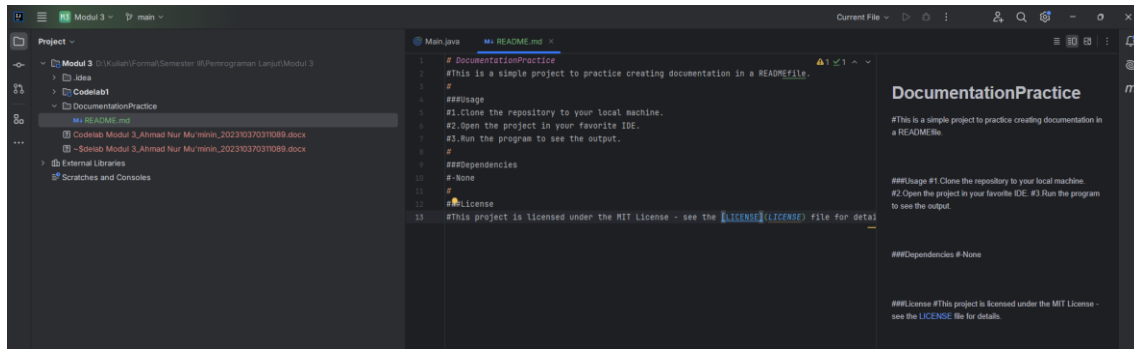
mumin@mipow MINGW64 /d/Kuliah/Formal/Semester III/Pemrograman Lanjut/Modul 3/DocumentationPractice (main)
$ echo "# DocumentationPractice" >>README.md

mumin@mipow MINGW64 /d/Kuliah/Formal/Semester III/Pemrograman Lanjut/Modul 3/DocumentationPractice (main)
$ git add README.md
warning: in the working copy of 'DocumentationPractice/README.md', LF will be replaced by CRLF the next time Git touches it

mumin@mipow MINGW64 /d/Kuliah/Formal/Semester III/Pemrograman Lanjut/Modul 3/DocumentationPractice (main)
$

```

Lalu diedit pada intelij



Setelah itu dipush ke github menggunakan github

```
mumin@Mipow MINGW64 /d/Kuliah/Formal/Semester III/Pemrograman Lanjut/Modul 3/Doc
umentationPractice (main)
$ git commit -m "upload Dokument Practice"
[main 8faa323] upload Dokument Practice
1 file changed, 1 insertion(+)
create mode 100644 DocumentationPractice/README.md

mumin@Mipow MINGW64 /d/Kuliah/Formal/Semester III/Pemrograman Lanjut/Modul 3/Doc
umentationPractice (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 418 bytes | 418.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/MipowGITHUB/CodeLab-1.git
7dd97b0..8faa323  main -> main

mumin@Mipow MINGW64 /d/Kuliah/Formal/Semester III/Pemrograman Lanjut/Modul 3/Doc
umentationPractice (main)
$ |
```

Dan dicek hasilnya pada github

