

Nama: Ahyad Izzuddin Syuhaiba

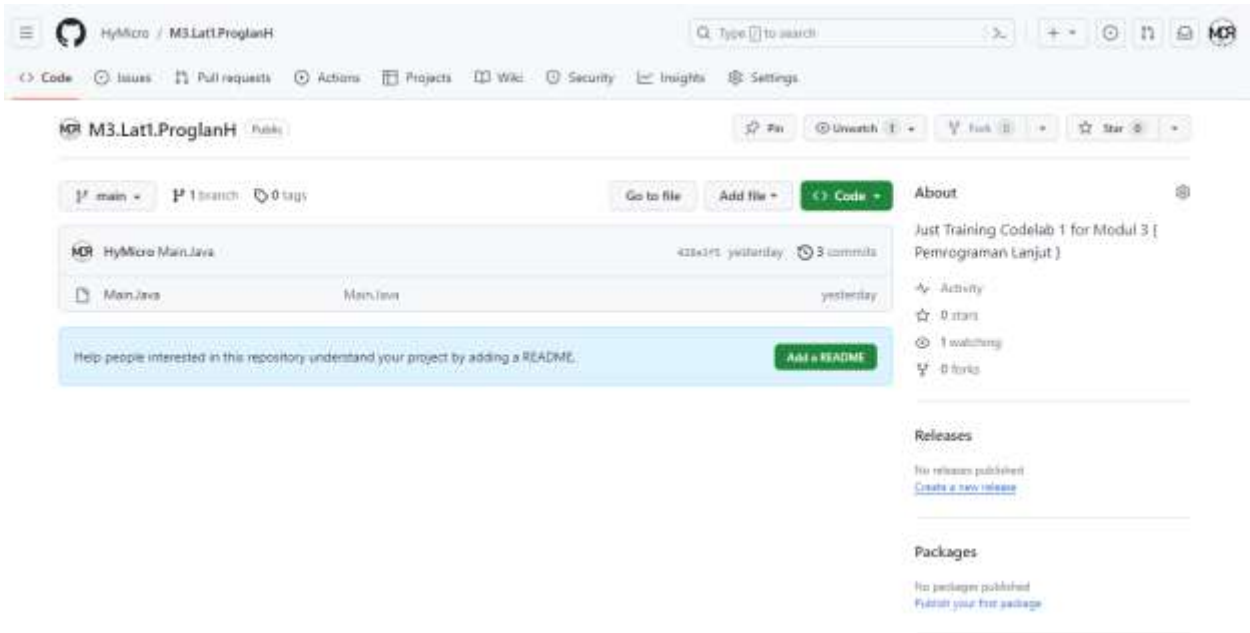
Nim : 20221037031137

Kelas : Pemrograman Lanjut H

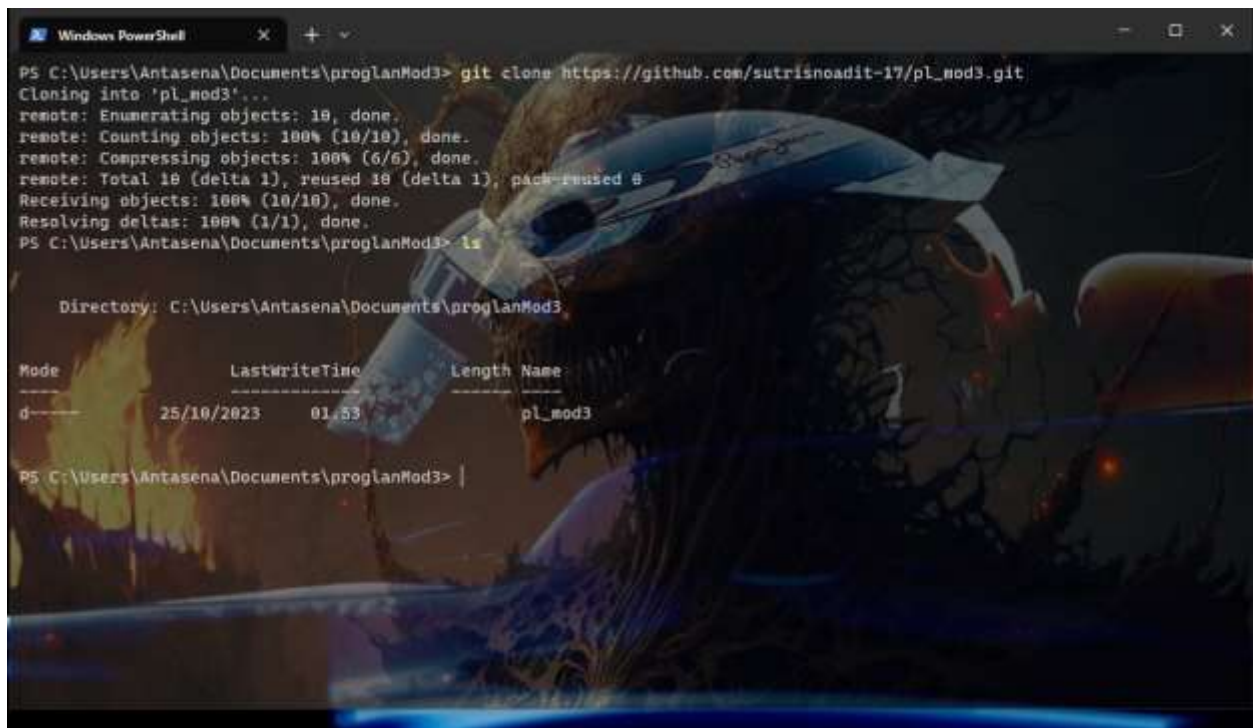
<https://github.com/HyMicro/LawakKauDeck.git>

LATIHAN 1: Menggunakan Git untuk Pengendalian Versi

1.Saya telah menyiapkan repository yang berisi main.java dan readme



2.langkah selanjutnya clone repository ke local storage dengan mengetikkan



```
PS C:\Users\Antasena\Documents\proglanMod3> git clone https://github.com/sutrisnoadit-17/pl_mod3.git
Cloning into 'pl_mod3'...
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 10 (delta 1), reused 10 (delta 1), pack-reused 0
Receiving objects: 100% (10/10), done.
Resolving deltas: 100% (1/1), done.
PS C:\Users\Antasena\Documents\proglanMod3> ls

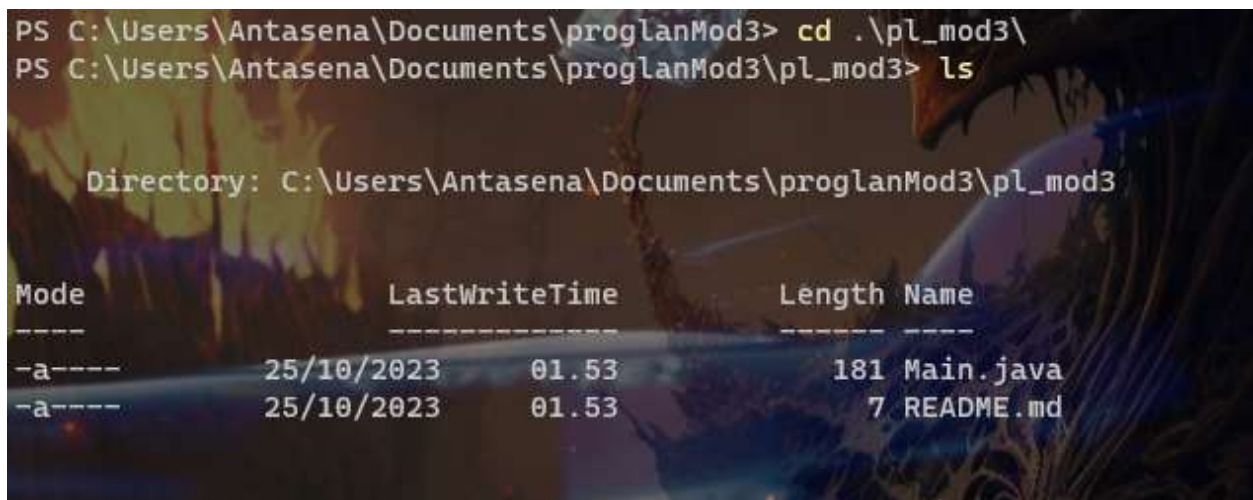
Directory: C:\Users\Antasena\Documents\proglanMod3

Mode                LastWriteTime         Length Name
----                -
d-----          25/10/2023      01:53             pl_mod3

PS C:\Users\Antasena\Documents\proglanMod3> |
```

Jika sukses maka repository tersebut ter download ke penyimpanan lokal

3.Langkah Selanjutnya masuk ke folder yang sudah di clone dari github tadi



```
PS C:\Users\Antasena\Documents\proglanMod3> cd .\pl_mod3\
PS C:\Users\Antasena\Documents\proglanMod3\pl_mod3> ls

Directory: C:\Users\Antasena\Documents\proglanMod3\pl_mod3

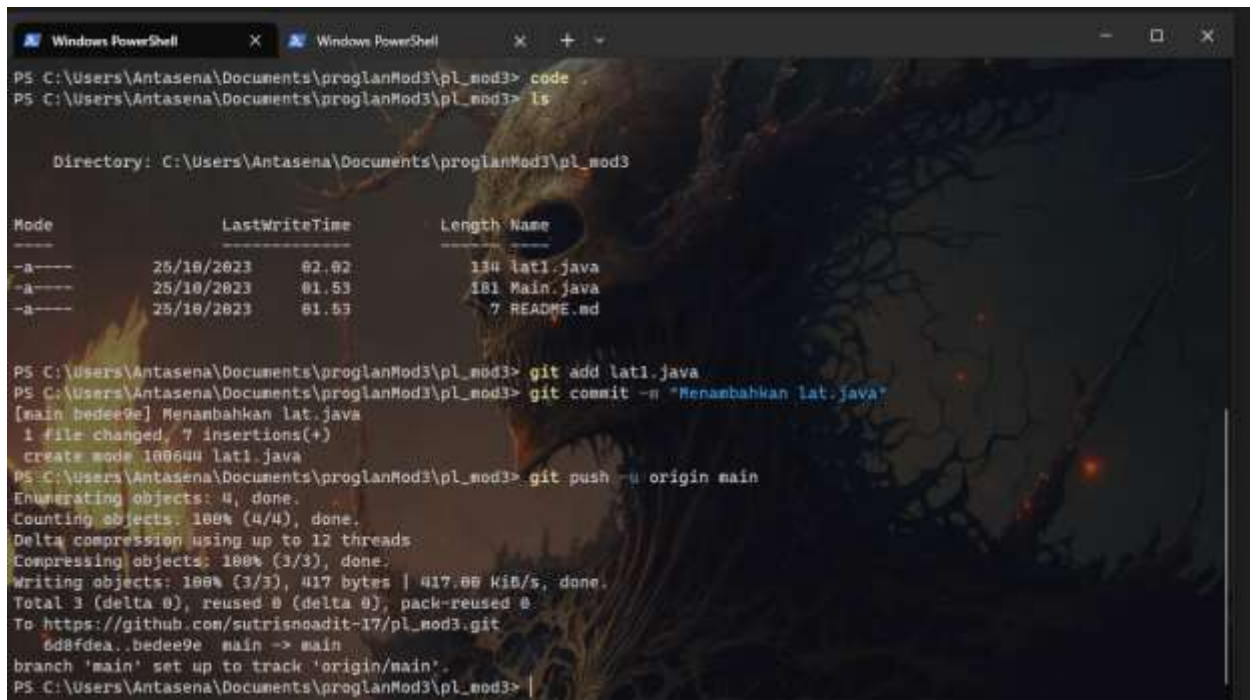
Mode                LastWriteTime         Length Name
----                -
-a----          25/10/2023      01:53        181 Main.java
-a----          25/10/2023      01:53         7 README.md
```

4.selanjutnya membuat file baru Bernama **lat1.java** yang berisi source code berikut



```
lat1.java
1 public class Main {
2     public static void main(String[] args) {
3
4         System.out.println("Hello Saturnus");
5     }
6 }
7
```

5. memakai command berikut untuk push perubahan ke github



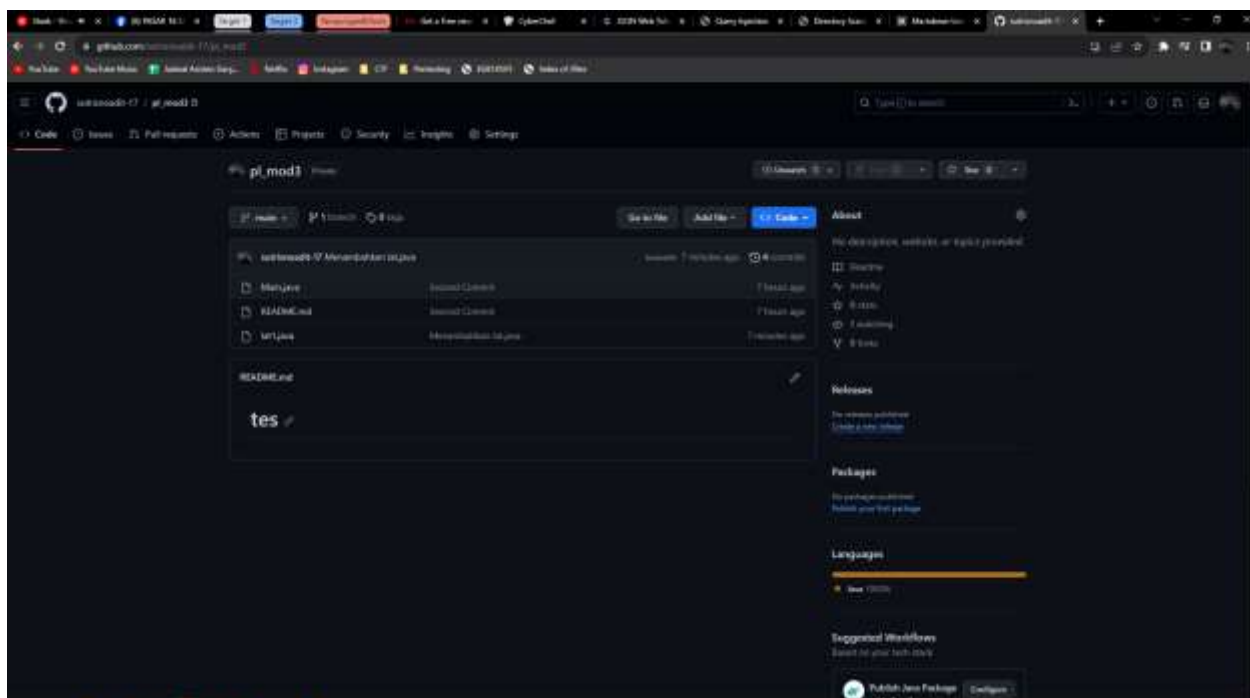
```
PS C:\Users\Antasena\Documents\proglanMod3\pl_mod3> code
PS C:\Users\Antasena\Documents\proglanMod3\pl_mod3> ls

Directory: C:\Users\Antasena\Documents\proglanMod3\pl_mod3

Mode                LastWriteTime         Length Name
----                -
-a----             25/10/2023      82.92          134 lat1.java
-a----             25/10/2023      81.53          181 Main.java
-a----             25/10/2023      81.53           7 README.md

PS C:\Users\Antasena\Documents\proglanMod3\pl_mod3> git add lat1.java
PS C:\Users\Antasena\Documents\proglanMod3\pl_mod3> git commit -m "Menambahkan lat.java"
[main bedee9e] Menambahkan lat.java
1 file changed, 7 insertions(+)
create mode 100644 lat1.java
PS C:\Users\Antasena\Documents\proglanMod3\pl_mod3> git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 417 bytes | 417.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/sutrisnoadit-17/pl_mod3.git
   6d8fdea..bedee9e  main -> main
branch 'main' set up to track 'origin/main'.
PS C:\Users\Antasena\Documents\proglanMod3\pl_mod3>
```

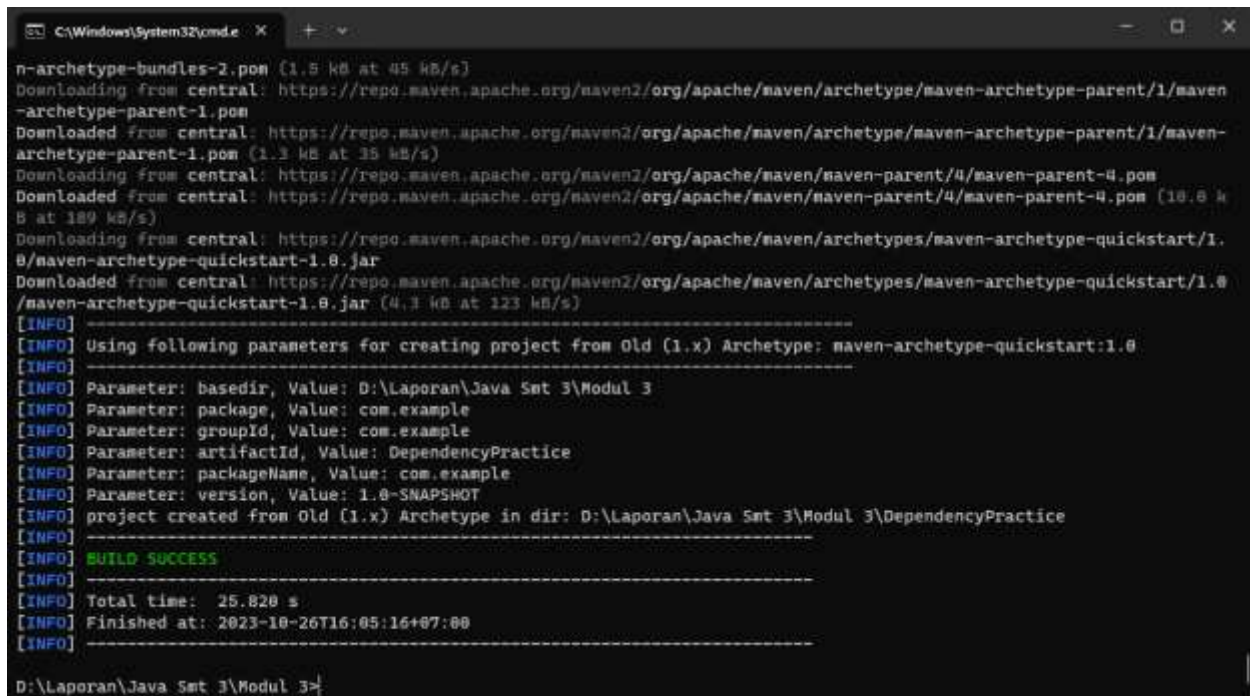
Hasil di github



LATIHAN 2: Membuat dan Mengelola Dependensi dengan Maven

1. membuat project maven dengan mengetikkan command seperti berikut

```
mvn archetype:generate -DgroupId=com.example -DartifactId=DependencyPractice -DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false
```

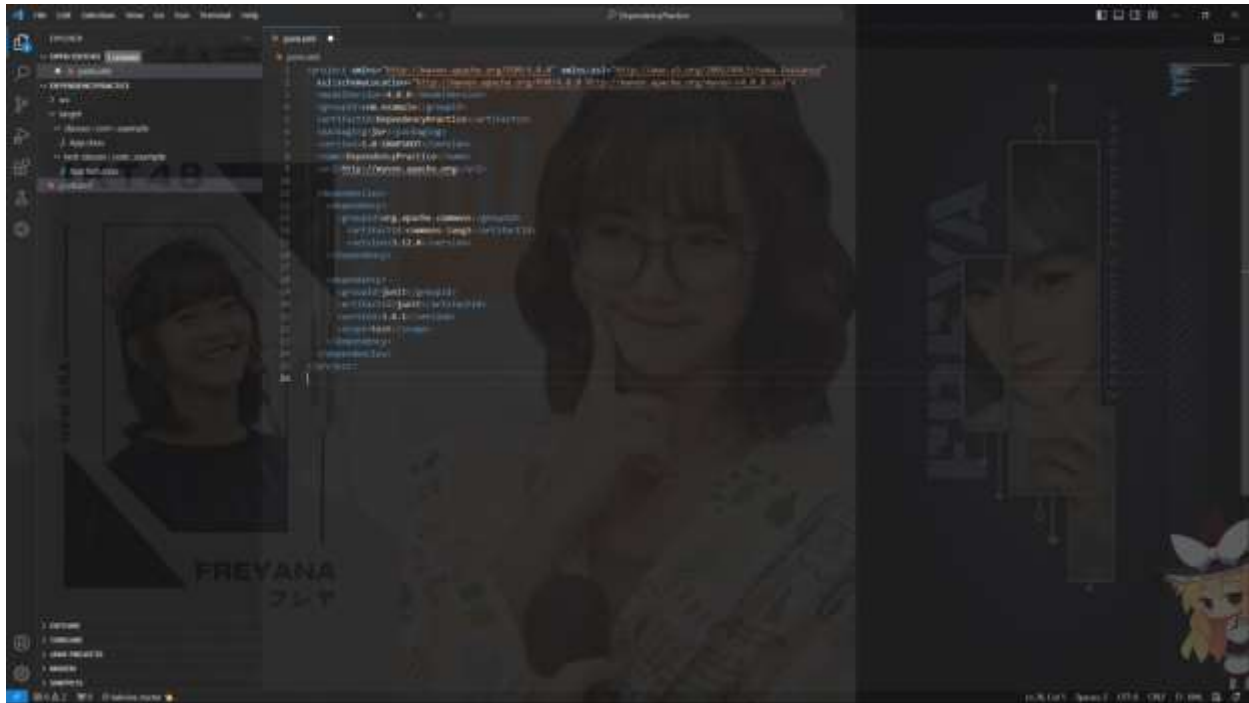


```
C:\Windows\System32\cmd.exe X
n-archetype-bundles-1.pom (1.5 kB at 45 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/maven-archetype-parent/1/maven-archetype-parent-1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/maven-archetype-parent/1/maven-archetype-parent-1.pom (1.3 kB at 35 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/4/maven-parent-4.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/4/maven-parent-4.pom (18.8 kB at 189 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.0/maven-archetype-quickstart-1.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.0/maven-archetype-quickstart-1.0.jar (4.3 kB at 123 kB/s)
[INFO] -----
[INFO] Using following parameters for creating project from Old (1.x) Archetype: maven-archetype-quickstart:1.0
[INFO] -----
[INFO] Parameter: basedir, Value: D:\Laporan\Java Smt 3\Modul 3
[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:\Laporan\Java Smt 3\Modul 3\DependencyPractice
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 25.820 s
[INFO] Finished at: 2023-10-26T16:05:16+07:00
[INFO] -----
D:\Laporan\Java Smt 3\Modul 3>
```

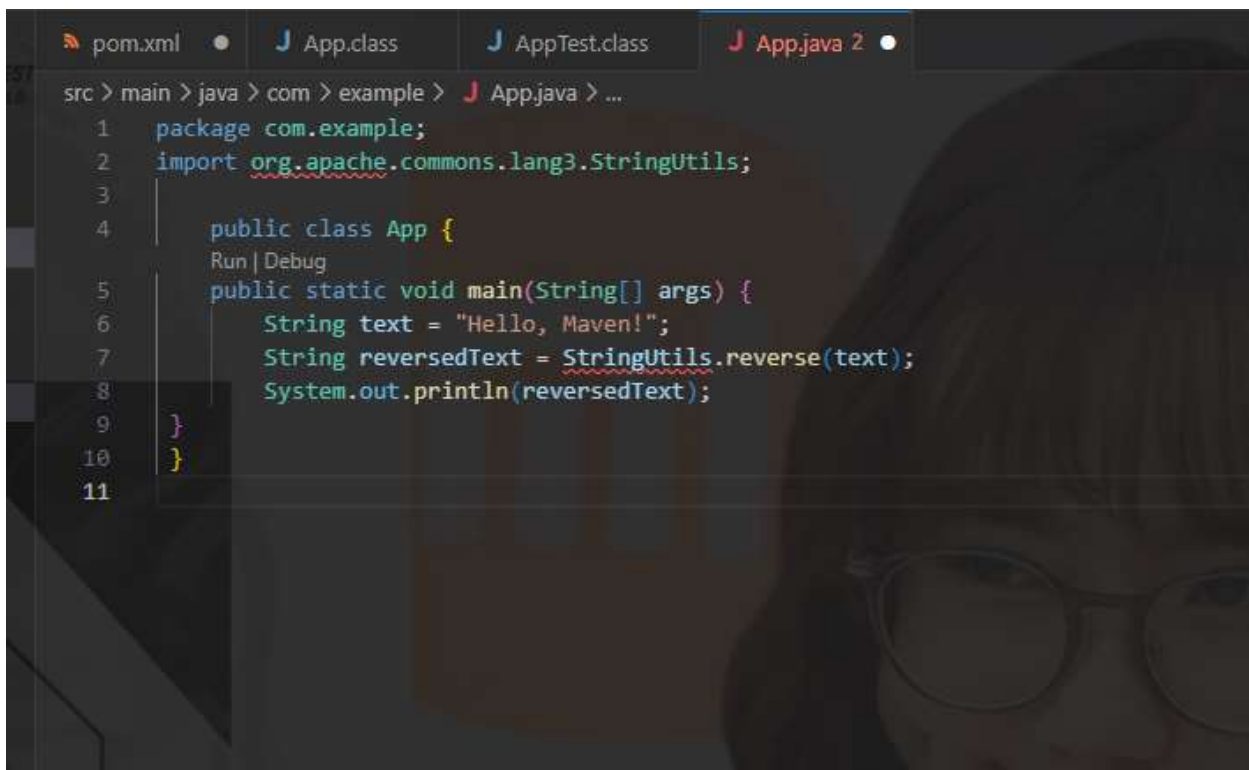
2. dan masuk ke dir DependencyPractice

```
C:\Users\Antasena\Documents\proglanMod3\Keg2>cd DependencyPractice
C:\Users\Antasena\Documents\proglanMod3\Keg2\DependencyPractice>
```

3. Menambahkan Dependency di pom.xml perlu diperhatikan bahwa tag <dependency> harus ada dalam tag <dependencies> jika salah penempatan saat compile akan muncul error



4. Membuat file baru main.java hanya tampil output dari print



5. compile program dengan menggunakan command

Mvn compile


```
C:\Windows\System32\cmd.exe X + -
Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.

D:\Laporan\Java Smt 3\Modul 3\DependencyPractice>mvn compile
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:DependencyPractice >-----
[INFO] Building DependencyPractice 1.0-SNAPSHOT
[INFO]    from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ DependencyPractice ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent
[INFO] skip non existing resourceDirectory D:\Laporan\Java Smt 3\Modul 3\DependencyPractice\src\main\resources
[INFO]
[INFO] --- compiler:3.11.0:compile (default-compile) @ DependencyPractice ---
[INFO] Changes detected - recompiling the module! :input tree
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] compiling 1 source file with javac [debug target 1.8] to target\classes
[WARNING] bootstrap class path not set in conjunction with -source 8
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time:  1.212 s
[INFO] Finished at: 2023-10-26T16:26:32+07:00
[INFO] -----

D:\Laporan\Java Smt 3\Modul 3\DependencyPractice>
```

6.run program dan arahkan class ke yang baru dibuat contohh pada saya : miss

```
mvn exec:java -Dexec.mainClass="com.example.miss"
```

Hasil output

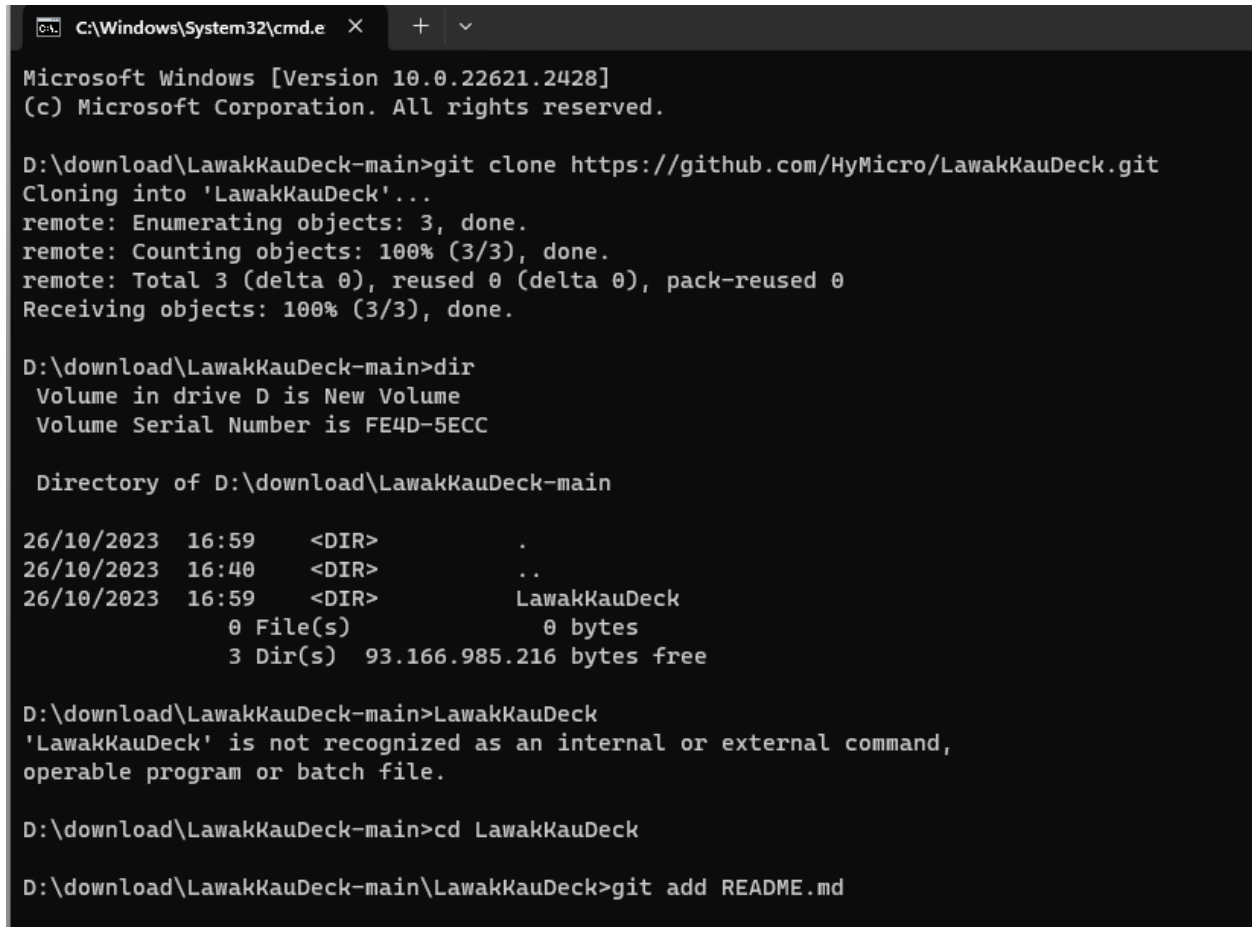
```
/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/commons/co
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/com
11 kB at 84 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/commons/co
m
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/com
(58 kB at 498 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/apache/15/
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/apache/15/a
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/p
.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/pl
jar (267 kB at 606 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/p
exus-component-annotations-2.1.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/co
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/pl
exus-component-annotations-2.1.1.jar (4.1 kB at 105 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/com
54 kB at 293 kB/s)
Hello World!
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 4.457 s
[INFO] Finished at: 2023-10-26T16:28:16+07:00
[INFO] -----

D:\Laporan\Java Smt 3\Modul 3\DependencyPractice>|
```

```
| # Buat direktori baru untuk proyek
```

LATIHAN 3: Menyusun Dokumentasi dalam File README

1. Membuat dir baru dan masuk ke directory baru



```
C:\Windows\System32\cmd.e X + v
Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.

D:\download\LawakKauDeck-main>git clone https://github.com/HyMicro/LawakKauDeck.git
Cloning into 'LawakKauDeck'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

D:\download\LawakKauDeck-main>dir
Volume in drive D is New Volume
Volume Serial Number is FE4D-5ECC

Directory of D:\download\LawakKauDeck-main

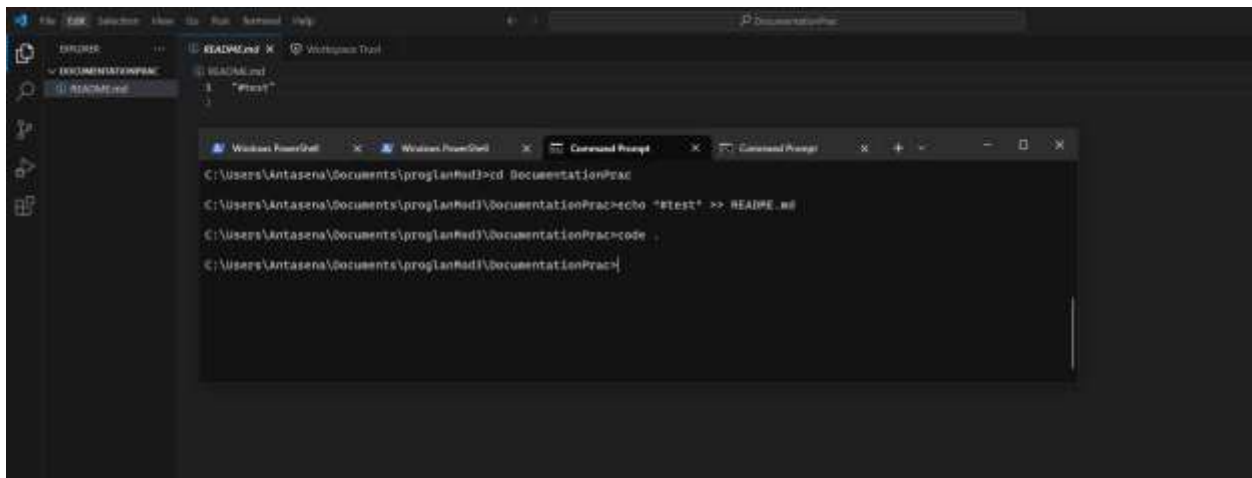
26/10/2023  16:59    <DIR>        .
26/10/2023  16:40    <DIR>        ..
26/10/2023  16:59    <DIR>        LawakKauDeck
                0 File(s)                0 bytes
                3 Dir(s)  93.166.985.216 bytes free

D:\download\LawakKauDeck-main>LawakKauDeck
'LawakKauDeck' is not recognized as an internal or external command,
operable program or batch file.

D:\download\LawakKauDeck-main>cd LawakKauDeck

D:\download\LawakKauDeck-main\LawakKauDeck>git add README.md
```

2. membuat file README.md



```
File Edit Selection View Go Run Terminal Help
DOCUMENTATIONPRAC
1 README.md
2 "test"
```

```
C:\Users\Antasena\Documents\proglanRad>cd DocumentationPrac
C:\Users\Antasena\Documents\proglanRad\DocumentationPrac>echo "test" >> README.md
C:\Users\Antasena\Documents\proglanRad\DocumentationPrac>code .
C:\Users\Antasena\Documents\proglanRad\DocumentationPrac>
```

3. membuat content di README.md


```
1 README.md X
2
3 README.md > ## DocumentationPractice > ## License
4
5 1 LawakKauDeck
6
7 ## DocumentationPractice
8
9 This is a simple project to practice creating documentation in a README file.
10
11 ## Usage
12
13 1. Clone the repository to your local machine.
14
15 2. Open the project in your favorite IDE.
16
17 3. Run the program to see the output.
18
19 ## Dependencies
20
21 - None
22
23 ## License
24
25 This project is licensed under the MIT License - see the [LICENSE](LICENSE) file for details.
```

Note: disini README.md untuk latihan 3 saya push ke repo di ke latihan 1

Berikut hasil preview nya

