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Laporan Praktikum

CodeLab 1

Buka terminal melalui file explorer dengan cara klik kanan pada file Lalu ketikkan git init dan git add . tunggu sampai selesai

```
PS C:\Users\reva\OneDrive\Dokumen\proglan> git init
Initialized empty Git repository in C:/Users/reva/OneDrive/Dokumen/proglan/.git/
PS C:\Users\reva\OneDrive\Dokumen\proglan> git add .
```

Setelah selesai ketikkan git commit -m "first commit"

```
PS C:\Users\reva\OneDrive\Dokumen\proglan> git commit -m "first commit"
[main (root-commit) 5efd2d2] first commit
```







Karena saya salah commit maka saya ubah ulang sesuai yang disuruh dimodul dengan cara mengetik git commit --amend -m "Added a simple java program"

```
PS C:\Users\reva\OneDrive\Dokumen\proglan> git commit --amend -m
"Added a simple java program"
[main bcaf70c] Added a simple java program
```

Lalu push ulang agar commit berubah dengan mengetik git push origin main --force

```
PS C:\Users\reva\OneDrive\Dokumen\proglan> git push origin main
--force
Enumerating objects: 150, done.
Counting objects: 100% (150/150), done.
Delta compression using up to 4 threads
Compressing objects: 100% (127/127), done.
Writing objects: 100% (150/150), 9.71 MiB | 486.00 KiB/s, done.
Total 150 (delta 39), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (39/39), done.
To https://github.com/revatrisdi/PROGLAN.git
+ 5efd2d2...bcaf70c main -> main (forced update)
PS C:\Users\reva\OneDrive\Dokumen\proglan> git push origin <branch_name> --force|
```

Setelah di push maka akan muncul di github

	revatrisdi Added a simple java program	bcaf70c · 10 minutes ago	
	codelab md 1 s3/.idea	Added a simple java program	10 minutes ago
	modul 1	Added a simple java program	10 minutes ago
	modul 2	Added a simple java program	10 minutes ago
	modul 3/Codelab_1	Added a simple java program	10 minutes ago

Codelab 2


Pertama buat program baru maven


Q


New Project


Empty Project

Generators


 Maven Archetype

 JavaFX

 Spring

 Compose for Desktop

Name:

Location: 

Project will be created in: ~\OneDrive...\n\proglan\modul 3\untitled

☐ Create Git repository

Language:

Java

Kotlin

Groovy

HTML

+


Build system:

IntelliJ

Maven

Gradle

JDK:

 openjdk-21 Oracle OpenJDK version

▼

☒ Add sample code

☒ Generate code with onboarding tips

> Advanced Settings

?

Create

Cancel

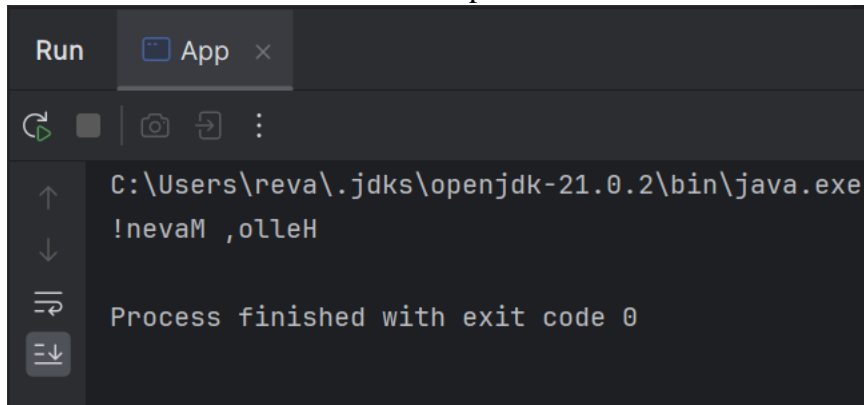
Lalu tambahkan dependencies pada pom.xml

```
m pom.xml (Codelab_2) x © Main.java
1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0"
3     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4     xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xs
5     <modelVersion>4.0.0</modelVersion>
6
7     <groupId>org.example</groupId>
8     <artifactId>Codelab_2</artifactId>
9     <version>1.0-SNAPSHOT</version>
10
11     <properties>
12         <maven.compiler.source>21</maven.compiler.source>
13         <maven.compiler.target>21</maven.compiler.target>
14         <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
15     </properties>
16     <dependencies>
17         <dependency>
18             <groupId>org.apache.commons</groupId>
19             <artifactId>commons-lang3</artifactId>
20             <version>3.12.0</version>
21         </dependency>
22     </dependencies>
23
24 </project>
```

Dan tambahkan maven pada pada file App.java

```
m pom.xml (Codelab_2) © App.java x
1 package org.example;
2 import org.apache.commons.lang3.StringUtils;
3
4 public class App {
5     public static void main(String[] args) {
6         String text = "Hello, Maven!";
7         String reversedText = StringUtils.reverse(text);
8         System.out.println(reversedText);
9     }
10 }
11
```

Setelah di run maka akan muncul seperti ini



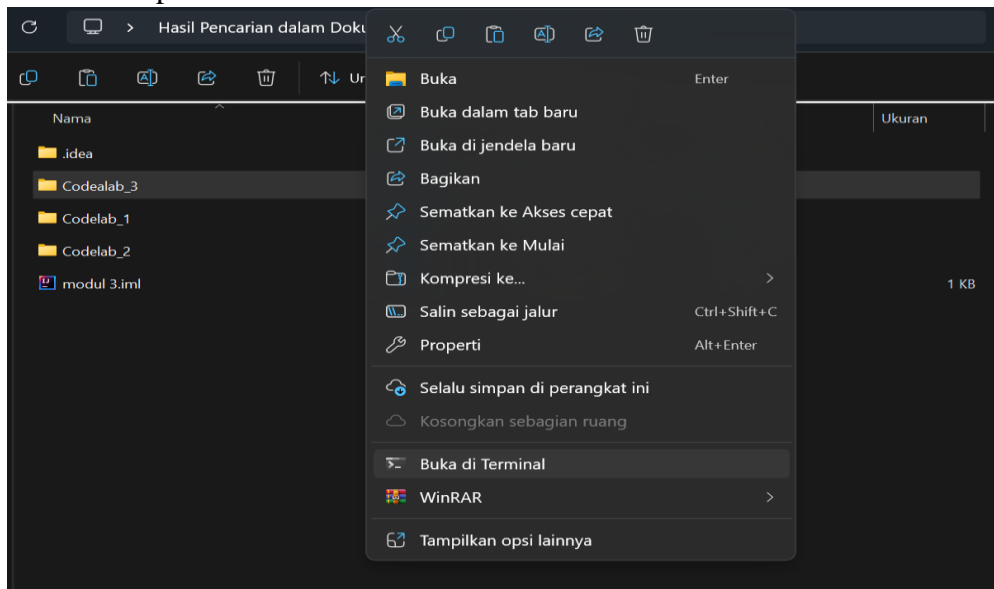
```
Run App x
C:\Users\reva\.jdk\openjdk-21.0.2\bin\java.exe
!nevaM ,olleH
Process finished with exit code 0
```

Codelab 3

Buat folder baru difile eksplorer dengan nama Codelab 3

Nama	Status	Tanggal diubah	Jenis	Ukuran
.idea		21/10/2024 23.23	Folder file	
Codelab_3		21/10/2024 23.43	Folder file	
Codelab_1		21/10/2024 21.44	Folder file	
Codelab_2		21/10/2024 23.21	Folder file	
modul 3.iml		21/10/2024 22.57	File IML	1 KB

Klik kanan pada file buat buka terminal



Ketikkan sesuai yang dimodul pada terminal

```
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\reva\OneDrive\Dokumen\proglan\modul 3\Codealab_3> mkdir DocumentationPractice

Directory: C:\Users\reva\OneDrive\Dokumen\proglan\modul 3\Codealab_3

Mode                LastWriteTime         Length Name
----                -
d-----          21/10/2024         23.43      DocumentationPractice

PS C:\Users\reva\OneDrive\Dokumen\proglan\modul 3\Codealab_3> cd DocumentationPractice
```

Tambahkan readme pada file dengan mengetik New-Item README.md -ItemType File

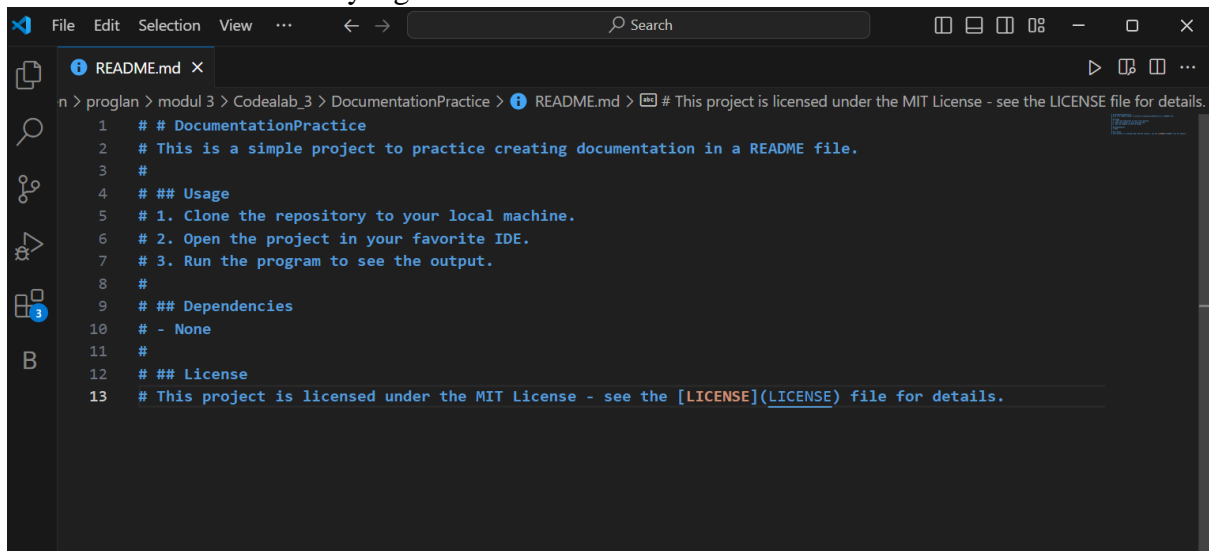
```
PS C:\Users\reva\OneDrive\Dokumen\proglan\modul 3\Codealab_3\DocumentationPractice> New-Item README.md -ItemType File

Directory: C:\Users\reva\OneDrive\Dokumen\proglan\modul 3\Codealab_3\DocumentationPractice

Mode                LastWriteTime         Length Name
----                -
-a-----          22/10/2024          00.00      0 README.md

PS C:\Users\reva\OneDrive\Dokumen\proglan\modul 3\Codealab_3\DocumentationPractice> |
```

Tambahkan konten sesuai yang ada dimodul



```
n > proglan > modul 3 > Codealab_3 > DocumentationPractice > README.md > # This project is licensed under the MIT License - see the LICENSE file for details.
1  ## DocumentationPractice
2  # This is a simple project to practice creating documentation in a README file.
3  #
4  ## Usage
5  # 1. Clone the repository to your local machine.
6  # 2. Open the project in your favorite IDE.
7  # 3. Run the program to see the output.
8  #
9  ## Dependencies
10 # - None
11 #
12 ## License
13 # This project is licensed under the MIT License - see the [LICENSE](LICENSE) file for details.
```