

ACTIVITY PERTEMUAN 7

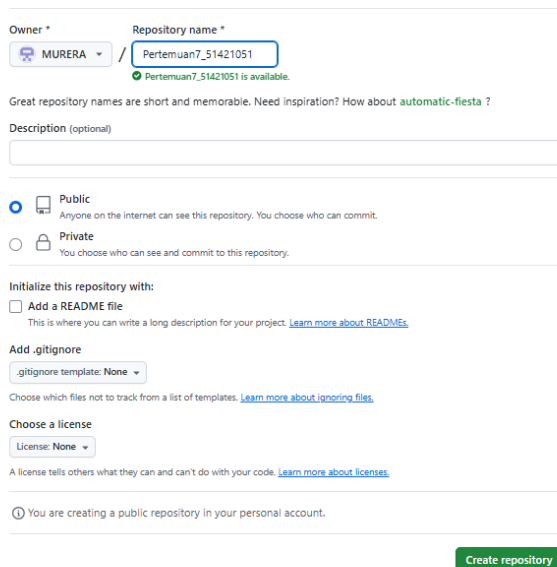
NAMA : Muhammmad Reza Rahman

NPM : 51421051

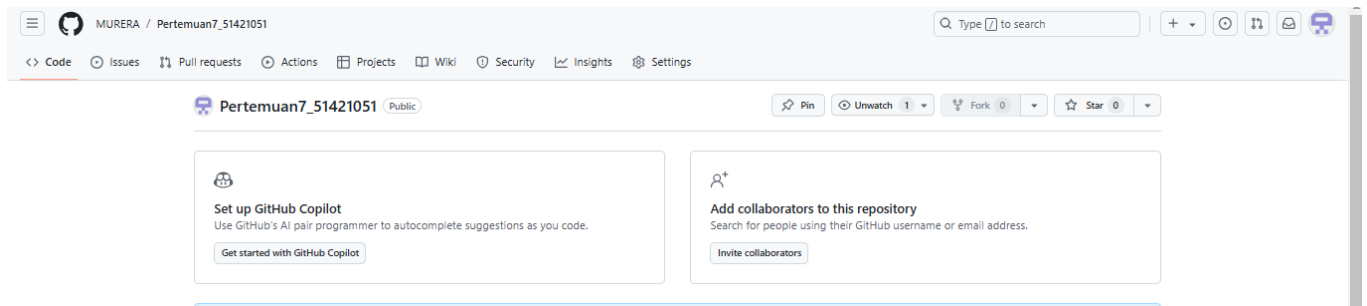
Kelas : 4IA14

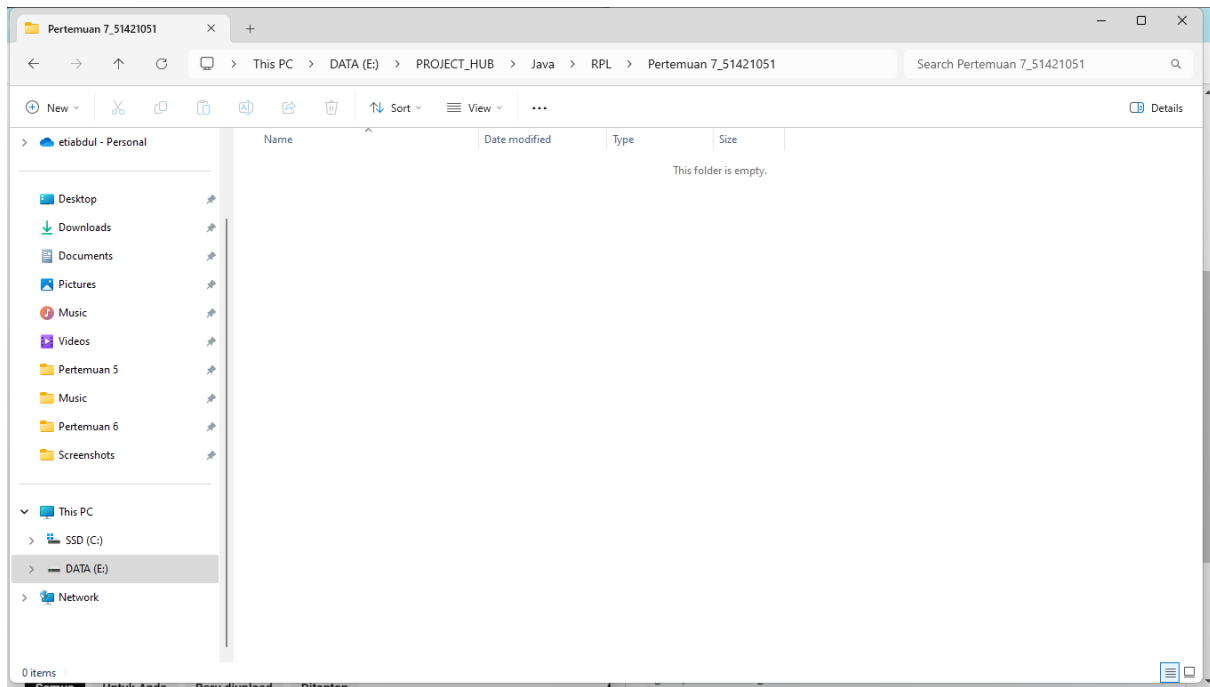
Materi : DOKUMENTASI PENGEMBANGAN PERANGKAT LUNAK, VCS, GIT dan GITHUB

1. apa itu Git dan bagaimana git membantu dalam kerja sama tim
Git adalah sebuah **sistem kontrol versi terdistribusi (Distributed Version Control System)** yang digunakan untuk melacak perubahan pada kode atau file proyek. Dengan Git, pengembang dapat bekerja bersama secara efisien, dengan ada nya Riwayat perubahan, sehingga bisa mempermudah orang lain untuk memahami apa yang diubah dan tujuan dari diubahnya sesuatu itu dalam suatu project.
 2. Lakukan Operasi operasi yang dapat dilakukan pada github seperti membuat repository, clone repository, git push dan git pull
- Membuat Repo



The screenshot shows the GitHub repository creation interface. The 'Owner' is set to 'MURERA' and the 'Repository name' is 'Pertemuan7_51421051', which is marked as available. There is a note about great repository names being short and memorable. The 'Description' field is optional. The 'Public' option is selected, indicating that anyone on the internet can see the repository. Below this, there are options to 'Initialize this repository with:', including 'Add a README file' and 'Add .gitignore' (with a dropdown set to 'None'). There is also a 'Choose a license' section with a dropdown set to 'None'. At the bottom, it states 'You are creating a public repository in your personal account.' and a green 'Create repository' button is visible.





- Git push

```
$ echo "#Pertemuan7_51421051" >> README.md
```

```
WINDOWS 10@DESKTOP-DIISNVE MINGW64 /e/PROJECT_HUB/Java/RPL/Pertemuan 7_51421051
$ git init
Initialized empty Git repository in E:/PROJECT_HUB/Java/RPL/Pertemuan
7_51421051/.git/
```

```
WINDOWS 10@DESKTOP-DIISNVE MINGW64 /e/PROJECT_HUB/Java/RPL/Pertemuan 7_51421051
(master)
$ git status
On branch master
```

No commits yet

```
Untracked files:
(use "git add <file>..." to include in what will be committed)
README.md
```

nothing added to commit but untracked files present (use "git add" to track)

```
WINDOWS 10@DESKTOP-DIISNVE MINGW64 /e/PROJECT_HUB/Java/RPL/Pertemuan 7_51421051
(master)
$ git add README.md
```

```
WINDOWS 10@DESKTOP-DIISNVE MINGW64 /e/PROJECT_HUB/Java/RPL/Pertemuan 7_51421051
(master)
$ git commit -m "first commit Hehe"
[master (root-commit) 84e2e19] first commit Hehe
1 file changed, 1 insertion(+)
create mode 100644 README.md
```

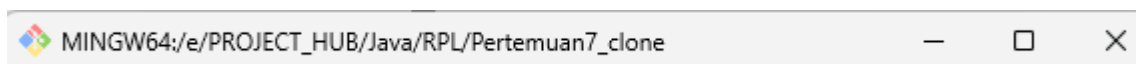
```
WINDOWS 10@DESKTOP-DIISNVE MINGW64 /e/PROJECT_HUB/Java/RPL/Pertemuan 7_51421051
(master)
$ git branch -M main
```

```
WINDOWS 10@DESKTOP-DIISNVE MINGW64 /e/PROJECT_HUB/Java/RPL/Pertemuan 7_51421051
(main)
$ git remote add origin https://github.com/MURERA/Pertemuan7_51421051.git
```

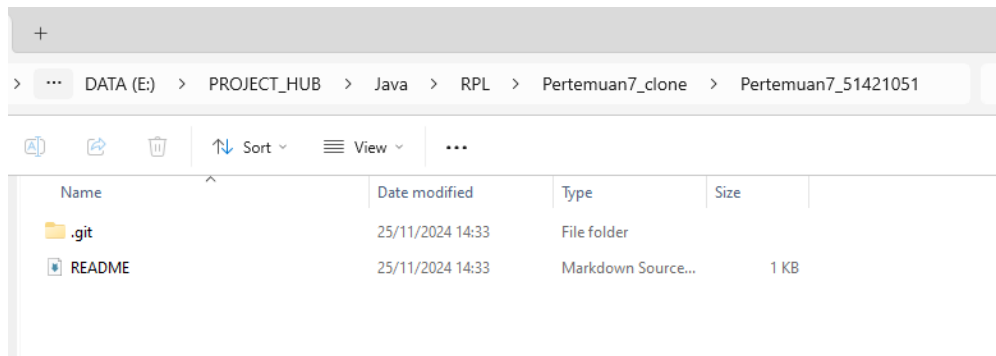
```
WINDOWS 10@DESKTOP-DIISNVE MINGW64 /e/PROJECT_HUB/Java/RPL/Pertemuan 7_51421051
(main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 303 bytes | 303.00 KiB/s, done.
```

```
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/MURERA/Pertemuan7_51421051.git
* [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

- Clone repo



```
WINDOWS 10@DESKTOP-DIISNVE MINGW64 /e/PROJECT_HUB/Java/RPL/Pertemuan7_clone
$ git clone https://github.com/MURERA/Pertemuan7_51421051.git
Cloning into 'Pertemuan7_51421051'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
```



- git pull

push sesuatu agar ada perbedaan antara di repo dengan clone

```
MINGW64:/e/PROJECT_HUB/Java/RPL/Pertemuan 7_51421051
WINDOWS 10@DESKTOP-DIISNVE MINGW64 /e/PROJECT_HUB/Java/RPL/Pertemuan 7_51421051
(main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
       testReza.txt

nothing added to commit but untracked files present (use "git add" to track)

WINDOWS 10@DESKTOP-DIISNVE MINGW64 /e/PROJECT_HUB/Java/RPL/Pertemuan 7_51421051
(main)
$ git add .

WINDOWS 10@DESKTOP-DIISNVE MINGW64 /e/PROJECT_HUB/Java/RPL/Pertemuan 7_51421051
(main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
       new file:   testReza.txt

WINDOWS 10@DESKTOP-DIISNVE MINGW64 /e/PROJECT_HUB/Java/RPL/Pertemuan 7_51421051
(main)
$ git commit -m "add testReza file"
[main 33db3a5] add testReza file
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 testReza.txt

WINDOWS 10@DESKTOP-DIISNVE MINGW64 /e/PROJECT_HUB/Java/RPL/Pertemuan 7_51421051
(main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 369 bytes | 369.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/MURERA/Pertemuan7_51421051.git
 84e2e19..33db3a5  main -> main
branch 'main' set up to track 'origin/main'.
```

Refresh repo

Pertemuan7_51421051
Public
Pin
Unwatch
1

main
1 Branch
0 Tags

Add file
Code

MURERA
add testReza file
33db3a5 · 2 minutes ago
2 Commits

| | | |
|--------------|-------------------|----------------|
| README.md | first commit Hehe | 21 minutes ago |
| testReza.txt | add testReza file | 2 minutes ago |

README

#Pertemuan7_51421051

Sekarang pull

```
MINGW64:/e/PROJECT_HUB/Java/RPL/Pertemuan7_clone/Pertemuan7_51421051
$ cd Pertemuan7_51421051

MINGW64 /e/PROJECT_HUB/Java/RPL/Pertemuan7_clone/Pertemuan7_51421051 (main)
$ git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 349 bytes | 11.00 KiB/s, done.
From https://github.com/MURERA/Pertemuan7_51421051
   84e2e19..33db3a5  main    -> origin/main
Updating 84e2e19..33db3a5
Fast-forward
 testReza.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 testReza.txt
```

DATA (E:)
PROJECT_HUB
Java
RPL
Pertemuan7_clone
Pertemuan7_51421051
Search Pertemuan7_51421051

| Name | Date modified | Type | Size |
|----------|------------------|--------------------|------|
| .git | 25/11/2024 14:44 | File folder | |
| README | 25/11/2024 14:33 | Markdown Source... | 1 KB |
| testReza | 25/11/2024 14:44 | Text Document | 0 KB |