

## ACTIVITY PERTEMUAN 7

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**KELAS : 4IA14**

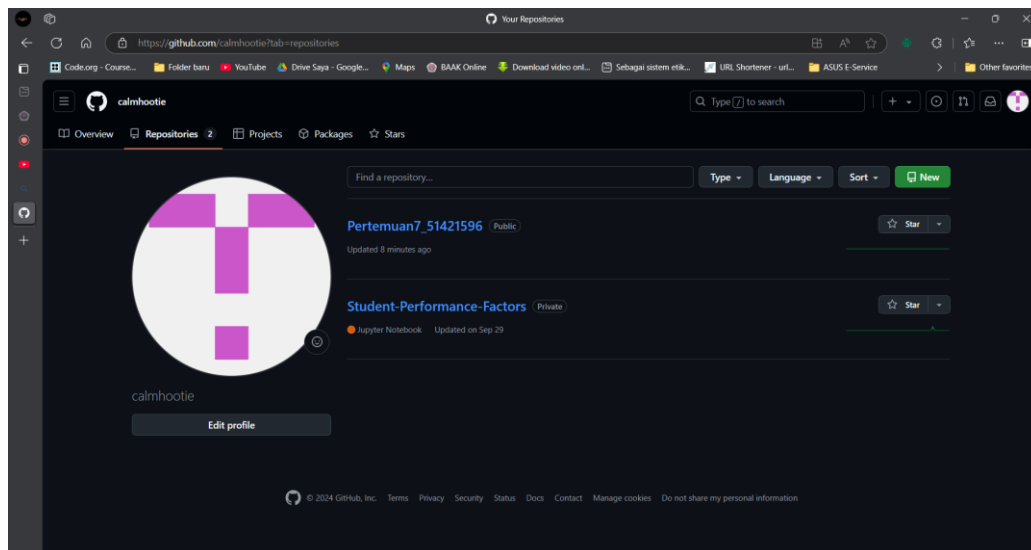
**MATERI : Dokumntasi Pengembangan Perangkat Lunak Terpadu, Version Control System, GIT, dan GitHub**

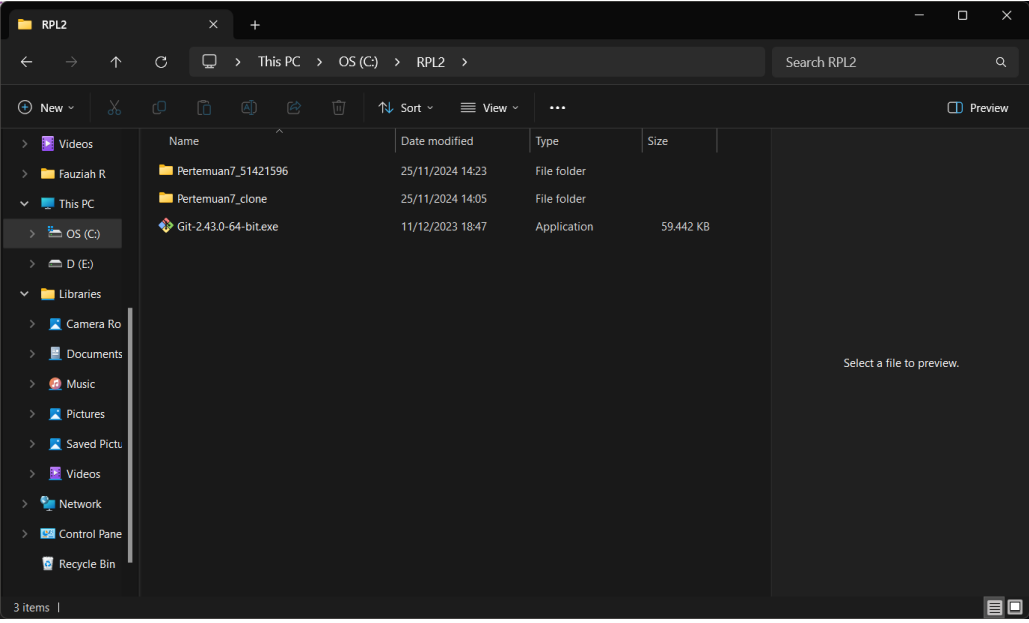
**MATA PRAKTIKUM : RPL2**

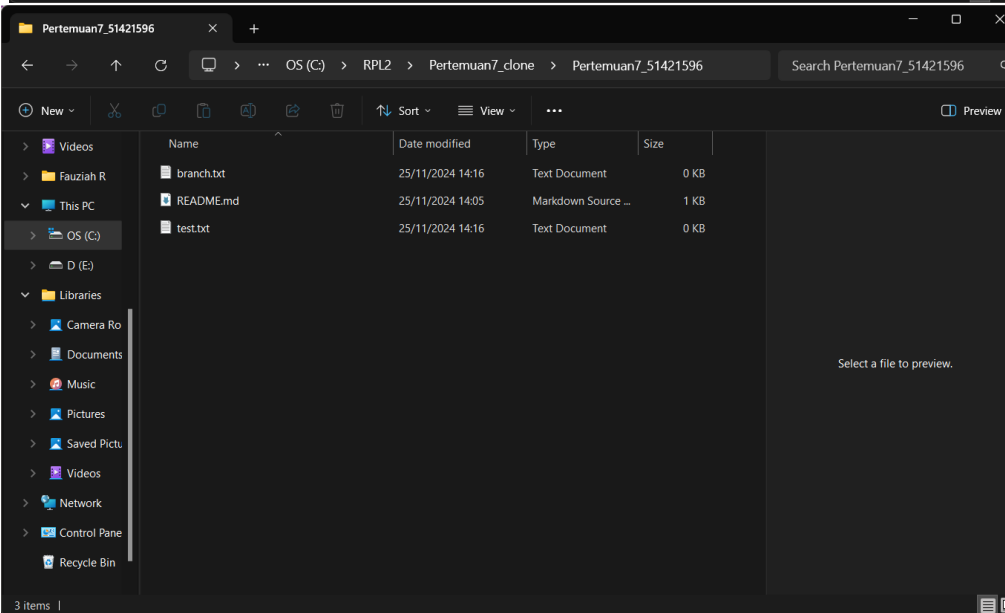
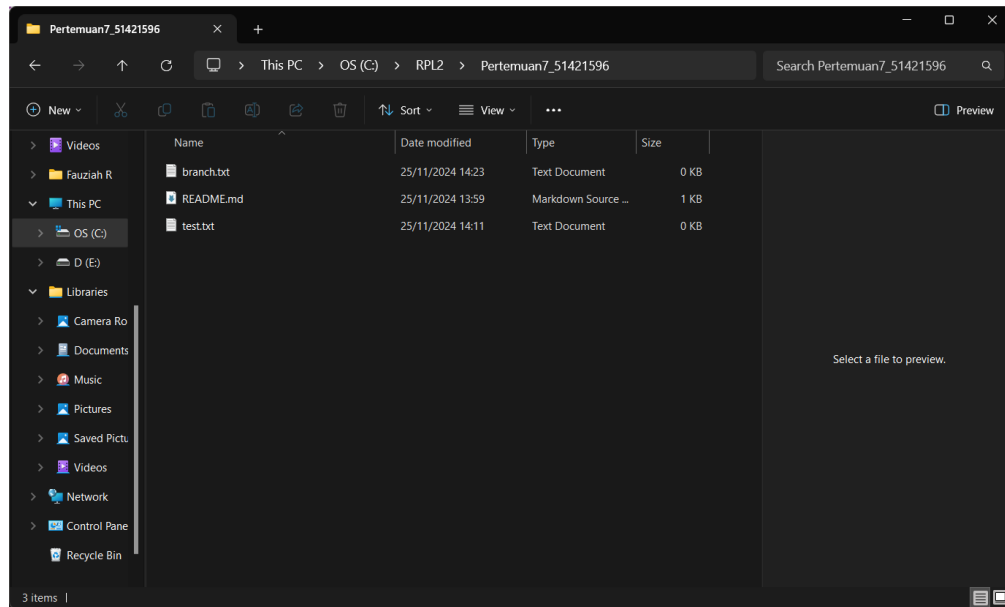
1. Jelaskan apa itu Git dan bagaimana git dapat membantu dalam kerja-sama tim  
⇒ Git adalah sistem kontrol versi terdistribusi yang memungkinkan pengembang melacak perubahan kode dan bekerja secara kolaboratif. Git mendukung kerja sama tim dengan fitur seperti:
  1. Branching: Membuat cabang untuk bekerja secara terpisah tanpa mengganggu kode utama.
  2. Kolaborasi: Setiap anggota tim dapat bekerja secara lokal dan mengirim perubahan melalui `push` dan menarik pembaruan dengan `pull`.
  3. Mencegah konflik: Memungkinkan penggabungan kode tanpa konflik besar.
  4. Melacak perubahan: Menyimpan riwayat perubahan yang memudahkan pelacakan dan perbaikan.
  5. Keamanan dan cadangan: Repositori lokal sebagai cadangan dan perlindungan data.

Git membantu tim bekerja lebih efisien, menjaga kualitas kode, dan mengurangi risiko kesalahan.

2. Lakukan operasi-operasi yang dapat dilakukan pada github seperti Membuat Repository, Clone Repository, Git Push dan Git Pull.  
⇒







```
MINGW64/c/RPL2/Pertemuan7_51421596
ASUS@Fauziah MINGW64 /c/RPL2/Pertemuan7_51421596 (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)
       test.txt

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

ASUS@Fauziah MINGW64 /c/RPL2/Pertemuan7_51421596 (main)
$ git add .

ASUS@Fauziah MINGW64 /c/RPL2/Pertemuan7_51421596 (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:   test.txt

ASUS@Fauziah MINGW64 /c/RPL2/Pertemuan7_51421596 (main)
$ git commit -m "add test file"
[main 106bb37] add test file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 test.txt

ASUS@Fauziah MINGW64 /c/RPL2/Pertemuan7_51421596 (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 270 bytes | 270.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/calmhootie/Pertemuan7_51421596.git
   c77d570..106bb37  main -> main
branch 'main' set up to track 'origin/main'.

ASUS@Fauziah MINGW64 /c/RPL2/Pertemuan7_51421596 (main)
$ git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 2 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 1.11 KiB | 162.00 KiB/s, done.
From https://github.com/calmhootie/Pertemuan7_51421596
   106bb37..789b5e7  main       -> origin/main
   * [new branch]   coba       -> origin/coba
Updating 106bb37..789b5e7
Fast-forward
 branch.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 branch.txt
```

```
MINGW64:/c/RPL2/Pertemuan7_clone/Pertemuan7_51421596
Fast-forward
 test.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 test.txt

ASUS@Fauziah MINGW64 /c/RPL2/Pertemuan7_clone/Pertemuan7_51421596 (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)
        branch.txt

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

ASUS@Fauziah MINGW64 /c/RPL2/Pertemuan7_clone/Pertemuan7_51421596 (main)
$ git branch coba

ASUS@Fauziah MINGW64 /c/RPL2/Pertemuan7_clone/Pertemuan7_51421596 (main)
$ git checkout coba
Switched to branch 'coba'

ASUS@Fauziah MINGW64 /c/RPL2/Pertemuan7_clone/Pertemuan7_51421596 (coba)
$ git status
On branch coba
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        branch.txt

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

ASUS@Fauziah MINGW64 /c/RPL2/Pertemuan7_clone/Pertemuan7_51421596 (coba)
$ git add .

ASUS@Fauziah MINGW64 /c/RPL2/Pertemuan7_clone/Pertemuan7_51421596 (coba)
$ git commit -m "add coba.txt"
[coba 6707516] add coba.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 branch.txt

ASUS@Fauziah MINGW64 /c/RPL2/Pertemuan7_clone/Pertemuan7_51421596 (coba)
$ git push -u origin coba
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 272 bytes | 272.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'coba' on GitHub by visiting:
remote:   https://github.com/calmhootie/Pertemuan7_51421596/pull/new/coba
remote:
To https://github.com/calmhootie/Pertemuan7_51421596.git
 * [new branch]      coba -> coba
branch 'coba' set up to track 'origin/coba'.

ASUS@Fauziah MINGW64 /c/RPL2/Pertemuan7_clone/Pertemuan7_51421596 (coba)
```

