

ACTIVITY PERTEMUAN 7

NAMA : Felix Windriyareksa Hardyan
NPM : 50421506
KELAS : 4IA12
MATERI : VCS, Git, dan GitHub
MATA PRAKTIKUM : Rekayasa Perangkat Lunak 2

Soal dan Jawaban

1. Jelaskan apa itu Git dan bagaimana git dapat membantu dalam kerja sama tim?

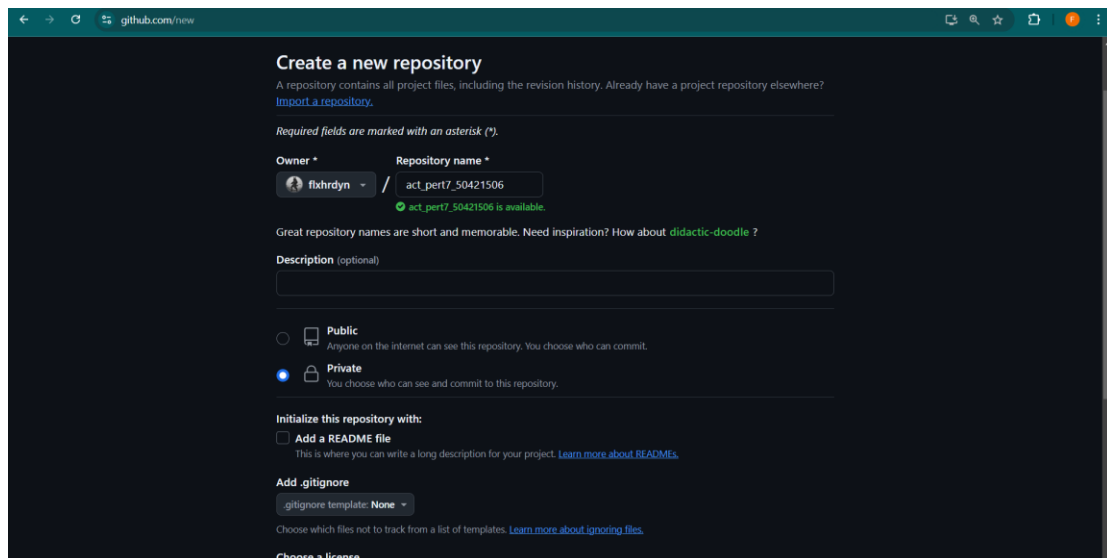
Jawaban:

Git adalah version control system yang digunakan untuk melacak perubahan dalam kode atau file. Git membantu kerja sama tim dengan memungkinkan anggota tim bekerja pada file yang sama secara paralel, mengelola versi, menyelesaikan konflik, dan menggabungkan perubahan tanpa kehilangan data. Hal ini meningkatkan efisiensi, transparansi, dan kolaborasi dalam pengembangan proyek.

2. Lakukan operasi-operasi yang dapat dilakukan pada GitHub seperti membuat repository, clone repository, Git push, dan Git pull!

Jawaban:

- a. Membuat repository



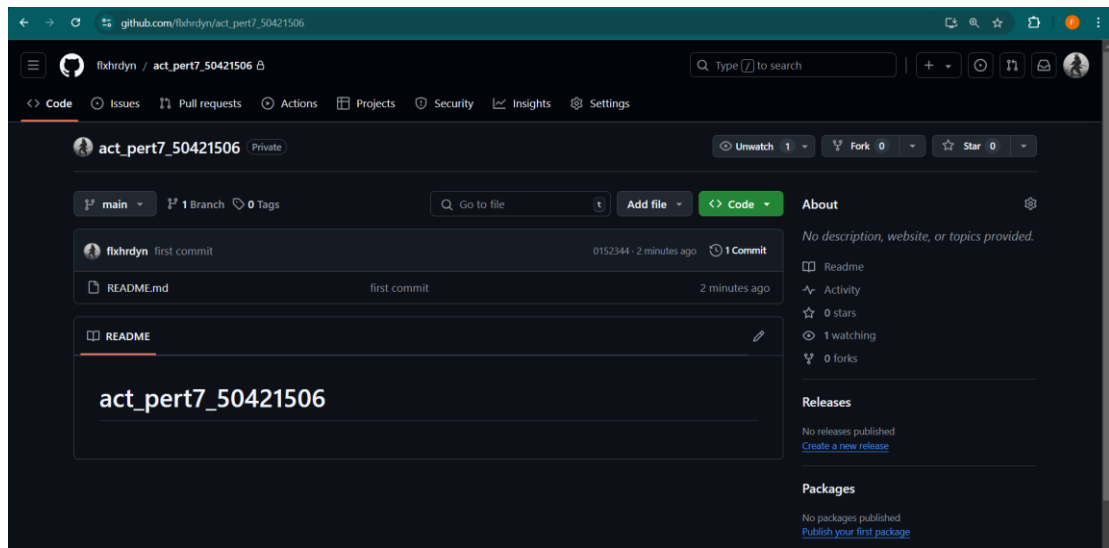
```
MINGW64/d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RPL2/P7/Act7/act_pert7_50421506

felix@DESKTOP-5VMQEMC MINGW64 /d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RPL2/P7/Act7/act_pert7_50421506
$ echo "# act_pert7_50421506" >> README.md

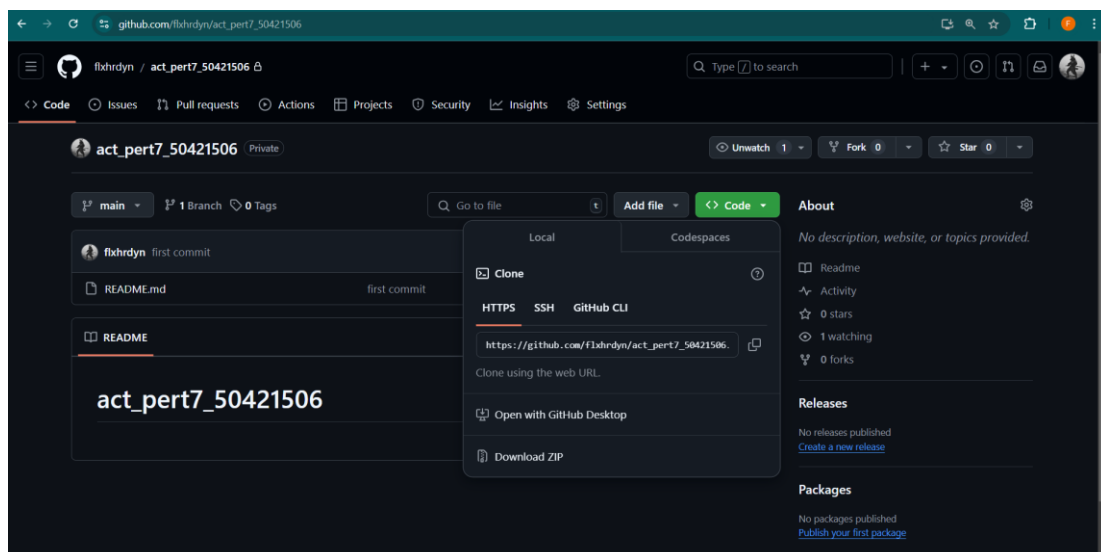
felix@DESKTOP-5VMQEMC MINGW64 /d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RPL2/P7/Act7/act_pert7_50421506
$ git init
Initialized empty Git repository in D:/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RPL2/P7/Act7/act_pert7_50421506/.git/

felix@DESKTOP-5VMQEMC MINGW64 /d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RPL2/P7/Act7/act_pert7_50421506 (master)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

felix@DESKTOP-5VMQEMC MINGW64 /d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RPL2/P7/Act7/act_pert7_50421506 (main)
$ |
```



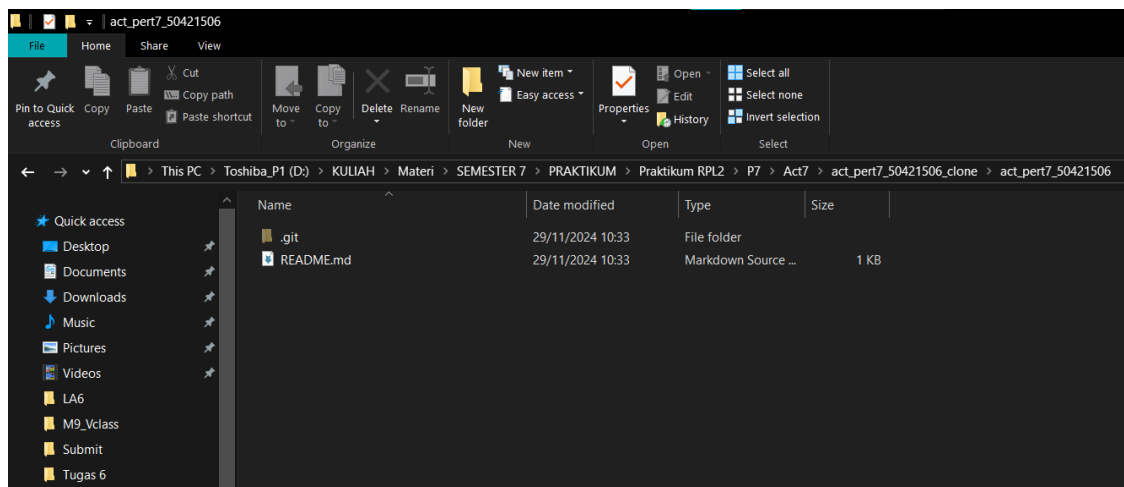
b. Clone repository



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MINGW64/d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RPL2/P7/Act7/act_pert7_50421506_clone

felix@DESKTOP-5VMQEMC MINGW64 /d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RP
L2/P7/Act7/act_pert7_50421506_clone
$ git clone https://github.com/flxhrdyn/act_pert7_50421506.git
Cloning into 'act_pert7_50421506'...
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.

felix@DESKTOP-5VMQEMC MINGW64 /d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RP
L2/P7/Act7/act_pert7_50421506_clone
$ |
```



c. Git push

```
MINGW64/d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RPL2/P7/Act7/act_pert7_50421506

felix@DESKTOP-5VMQEMC MINGW64 /d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RP
L2/P7/Act7/act_pert7_50421506 (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)
    felix.txt

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

felix@DESKTOP-5VMQEMC MINGW64 /d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RP
L2/P7/Act7/act_pert7_50421506 (main)
$ git add .

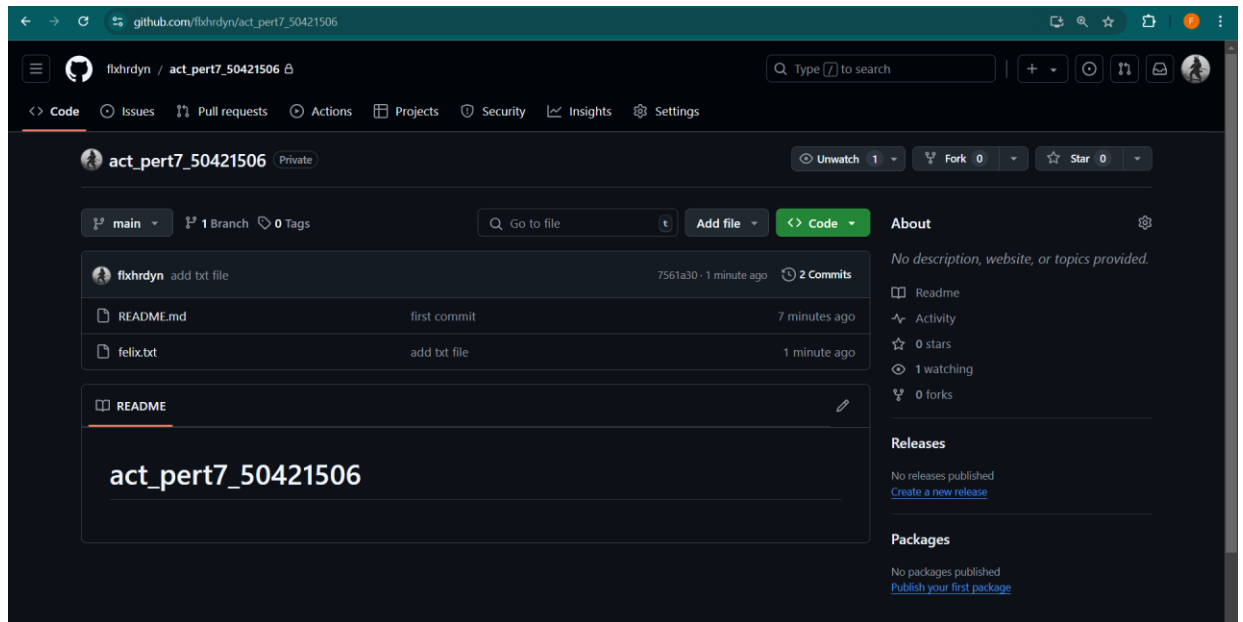
felix@DESKTOP-5VMQEMC MINGW64 /d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RP
L2/P7/Act7/act_pert7_50421506 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

felix@DESKTOP-5VMQEMC MINGW64 /d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RP
L2/P7/Act7/act_pert7_50421506 (main)
$ git commit -m "add txt file"
[main 7561a30] add txt file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 felix.txt

felix@DESKTOP-5VMQEMC MINGW64 /d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RP
L2/P7/Act7/act_pert7_50421506 (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), 276 bytes | 276.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/flxhrdyn/act_pert7_50421506.git
0152344..7561a30 main -> main
branch 'main' set up to track 'origin/main'.

felix@DESKTOP-5VMQEMC MINGW64 /d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RP
L2/P7/Act7/act_pert7_50421506 (main)
$ |
```



d. Git pull

```

MINGW64/d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RPL2/P7/Act7/act_pert7_50421506_clone/act_pert7_50421506
felix@DESKTOP-5VMQEMC MINGW64 /d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RP
L2/P7/Act7/act_pert7_50421506_clone/act_pert7_50421506 (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), 256 bytes | 2.00 KiB/s, done.
From https://github.com/flxhrdyn/act_pert7_50421506
 0152344..7561a30  main      -> origin/main
Updating 0152344..7561a30
Fast-forward
 felix.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 felix.txt

felix@DESKTOP-5VMQEMC MINGW64 /d/KULIAH/Materi/SEMESTER 7/PRAKTIKUM/Praktikum RP
L2/P7/Act7/act_pert7_50421506_clone/act_pert7_50421506 (main)
$ |

```

