ACTIVITY PERTEMUAN 7

NAMA : MUHAMAD ALTARIQ HIDAYATULLAH

NPM : 50421857

KELAS : 4IA11

MATERI : DOKUMENTASI PENGEMBANGAN PERANGKAT LUNAK TERPADU, VERSION CONTROL SYSTEM, GIT, DAN GITHUB

MATA PRAKTIKUM : REKAYASA PERANGKAT LUNAK 2

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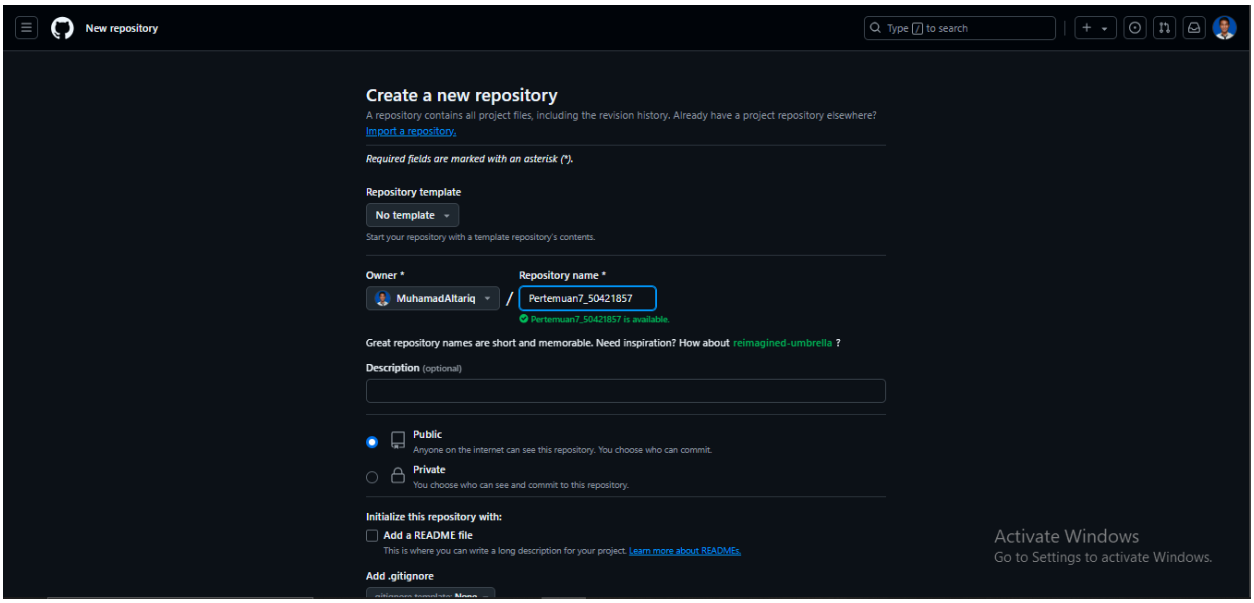
1. Jelaskan apa aitu Git dan bagaimana git dapat membantu dalam kerja-sama tim?

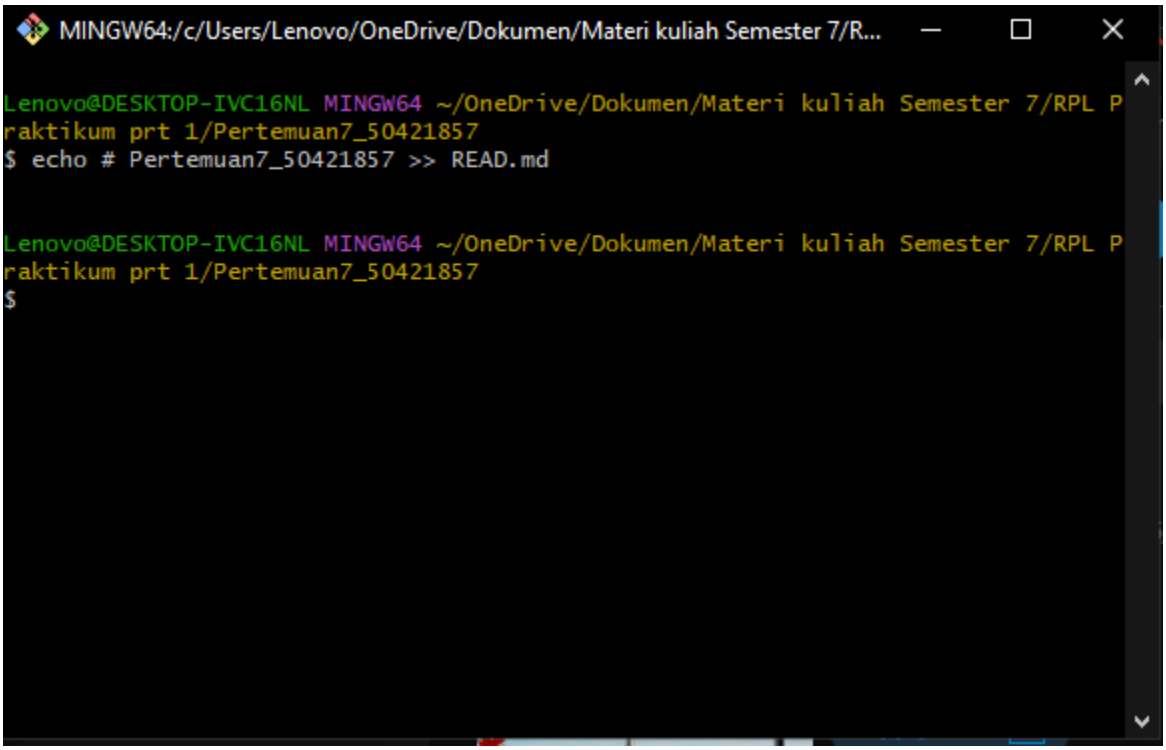
   Git adalah sistem kontrol versi terdistribusi yang digunakan untuk melacak perubahan dalam kode sumber. Git membantu tim bekerja sama dengan menyediakan fitur seperti pengelolaan versi, pemulihan kesalahan, dan kerja paralel melalui *branching*.

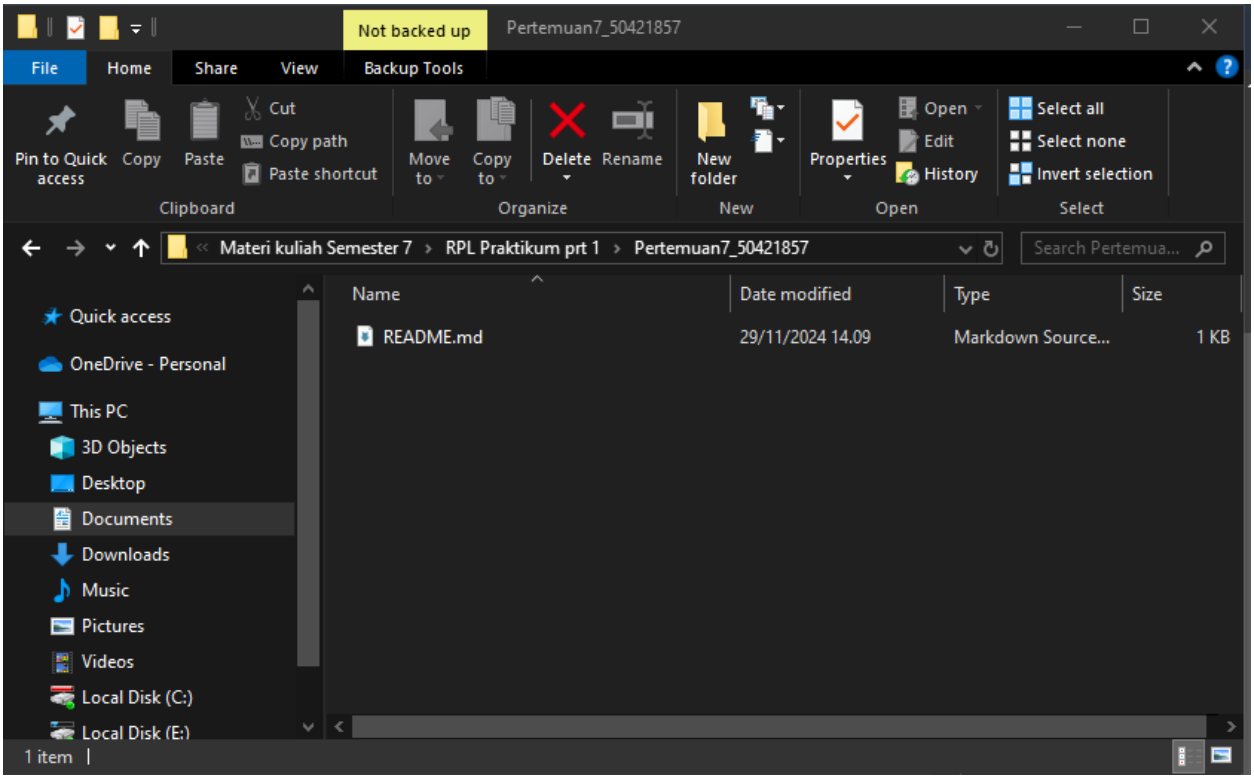
   Manfaat Git dalam Kerja Sama Tim:

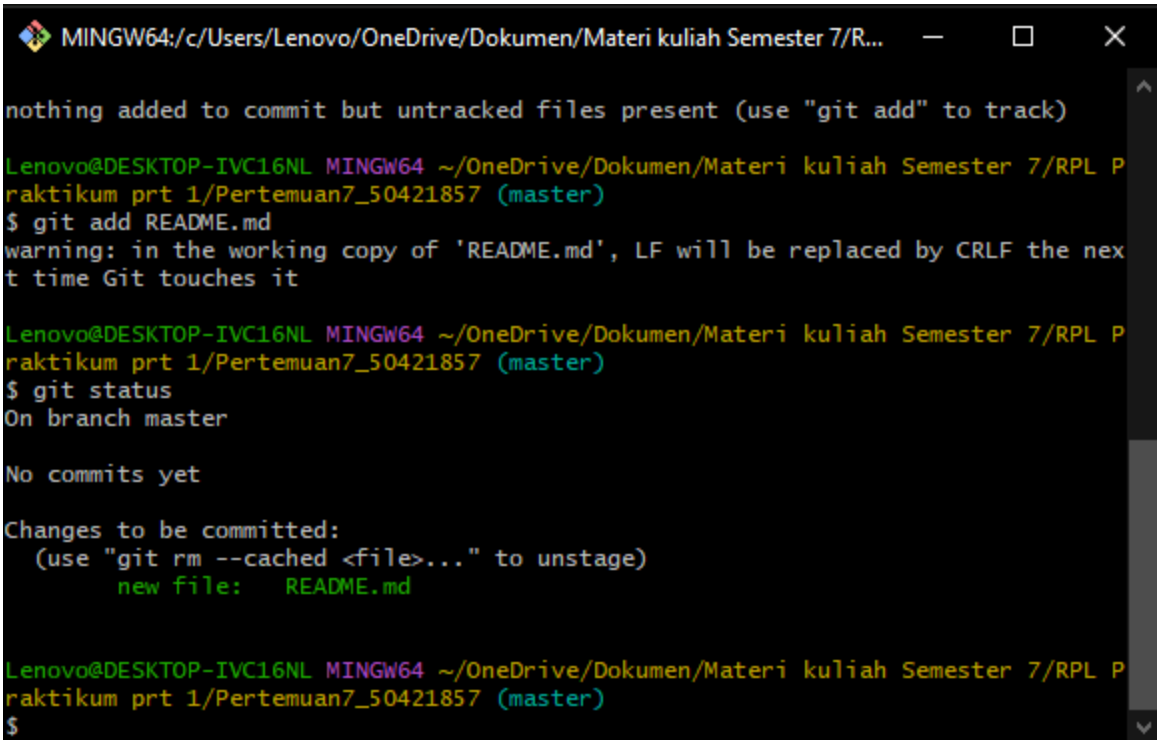
   1. **Pengelolaan Versi**: Memudahkan pelacakan perubahan dan identifikasi kontribusi.
   2. **Kolaborasi Efisien**: Mendukung pekerjaan simultan pada file yang sama tanpa saling mengganggu.
   3. **Pemulihan Kesalahan**: Memungkinkan kembali ke versi sebelumnya jika terjadi kesalahan.
   4. **Resolusi Konflik**: Membantu menyelesaikan konflik penggabungan kode (*merge*).
   5. **Penyimpanan Terdistribusi**: Setiap anggota memiliki salinan lengkap repositori.
   6. **Integrasi**: Mendukung platform kolaborasi seperti GitHub atau GitLab.

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

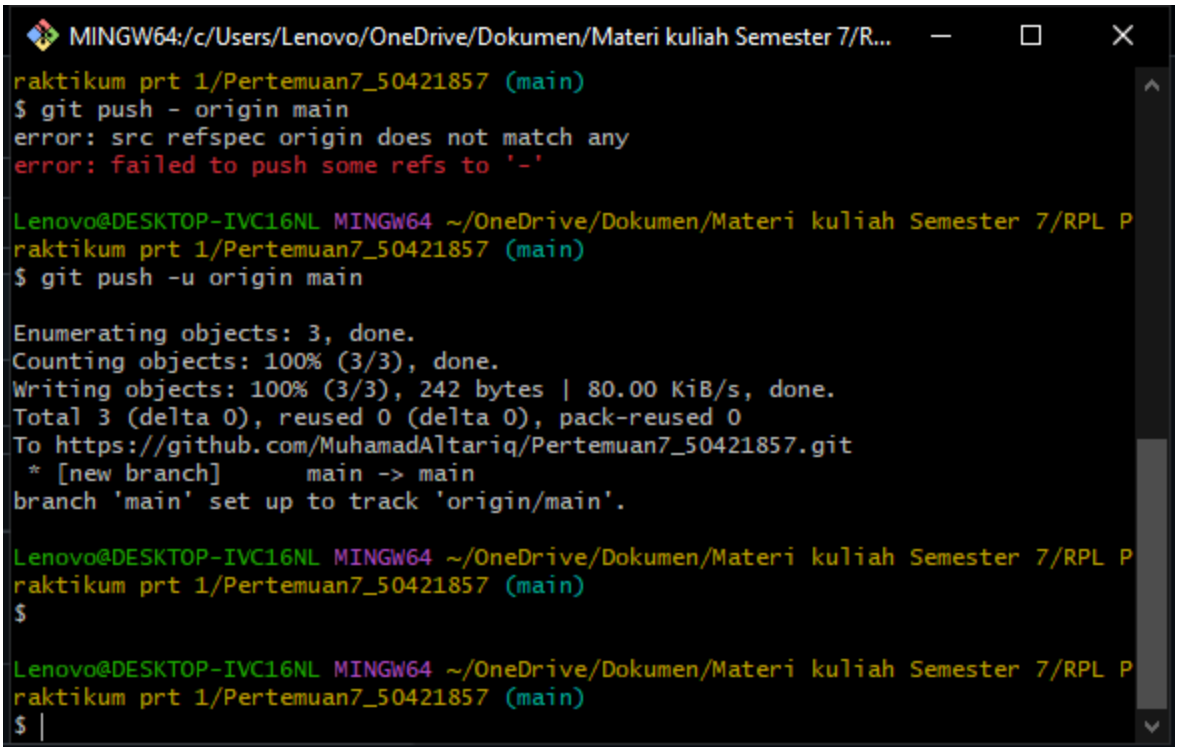
3. 
New repository
Type / to search
Create a new repository
A repository contains all project files, including the revision history. Already have a project repository elsewhere?
Import a repository.
Required fields are marked with an asterisk (*).
Repository template
No template
Start your repository with a template repository's contents.
Owner *
Repository name *
MuhamadAltariq
/
Pertemuan7_50421857
Pertemuan7_50421857 is available.
Great repository names are short and memorable. Need inspiration? How about reimagined-umbrella ?
Description (optional)
Public
Anyone on the internet can see this repository. You choose who can commit.
Private
You choose who can see and commit to this repository.
Initialize this repository with:
Add a README file
This is where you can write a long description for your project. Learn more about READMEs.
Add .gitignore
Activate Windows
Go to Settings to activate Windows.

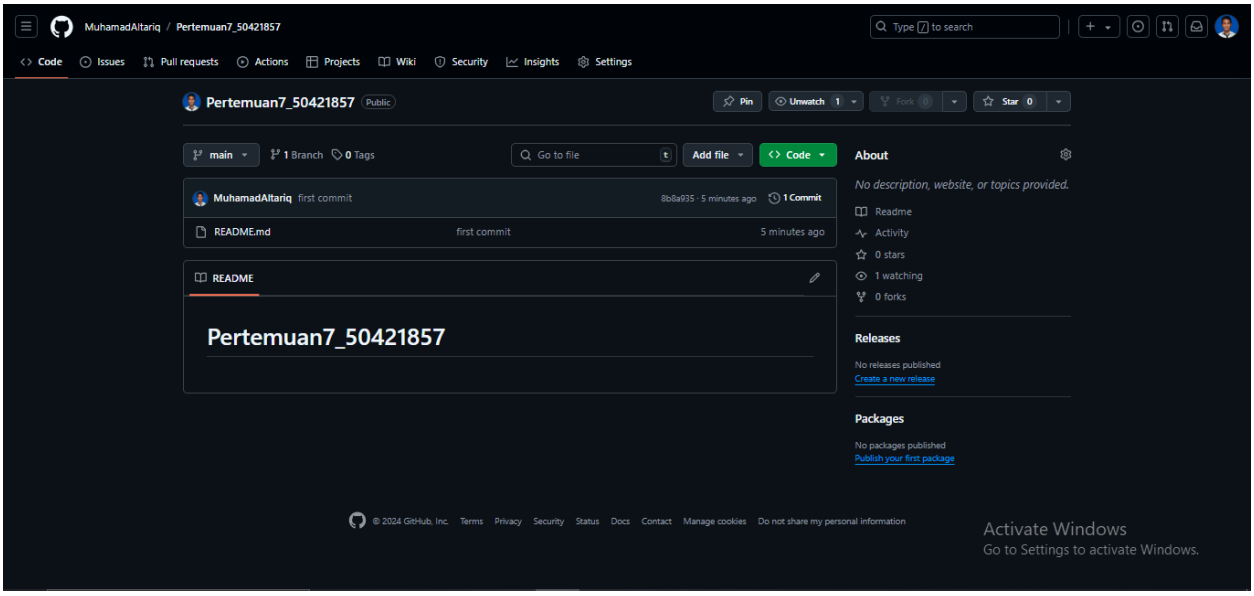
4. 
MINGW64:/c/Users/Lenovo/OneDrive/Dokumen/Materi kuliah Semester 7/R...
Lenovo@DESKTOP-IVC16NL MINGW64 ~/OneDrive/Dokumen/Materi kuliah Semester 7/RPL P
raktikum prt 1/Pertemuan7_50421857
$ echo # Pertemuan7_50421857 >> READ.md
Lenovo@DESKTOP-IVC16NL MINGW64 ~/OneDrive/Dokumen/Materi kuliah Semester 7/RPL P
raktikum prt 1/Pertemuan7_50421857
$

5. 
Not backed up
Pertemuan7_50421857
File
Home
Share
View
Backup Tools
Pin to Quick access
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New
Properties
Open
Edit
History
Open
Select all
Select none
Invert selection
Select
Materi kuliah Semester 7 › RPL Praktikum prt 1 › Pertemuan7_50421857
Search Pertemua...
Quick access
OneDrive - Personal
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
Local Disk (E:)
Name
Date modified
Type
Size
README.md
29/11/2024 14.09
Markdown Source...
1 KB
1 item

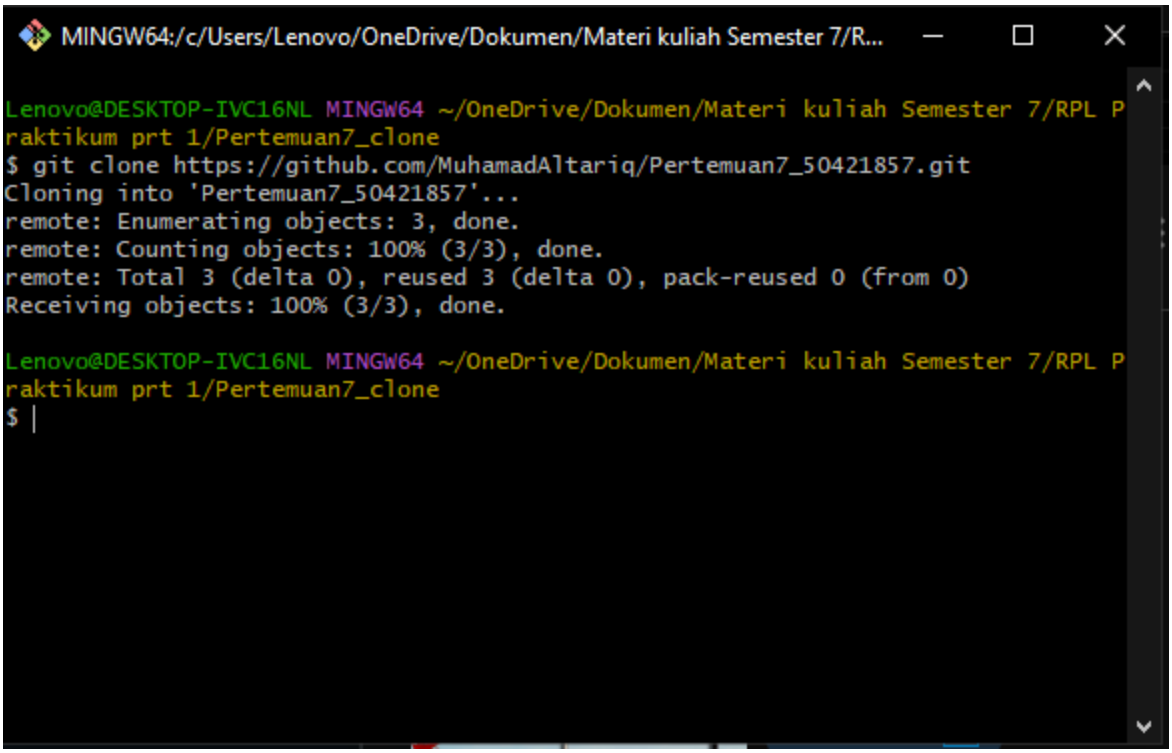

MINGW64:/c/Users/Lenovo/OneDrive/Dokumen/Materi kuliah Semester 7/R...
nothing added to commit but untracked files present (use "git add" to track)
Lenovo@DESKTOP-IVC16NL MINGW64 ~/OneDrive/Dokumen/Materi kuliah Semester 7/RPL Praktikum prt 1/Pertemuan7_50421857 (master)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
Lenovo@DESKTOP-IVC16NL MINGW64 ~/OneDrive/Dokumen/Materi kuliah Semester 7/RPL Praktikum prt 1/Pertemuan7_50421857 (master)
$ git status
On branch master
No commits yet
Changes to be committed:
(use "git rm --cached <file>..." to unstage)
new file: README.md
Lenovo@DESKTOP-IVC16NL MINGW64 ~/OneDrive/Dokumen/Materi kuliah Semester 7/RPL Praktikum prt 1/Pertemuan7_50421857 (master)
$

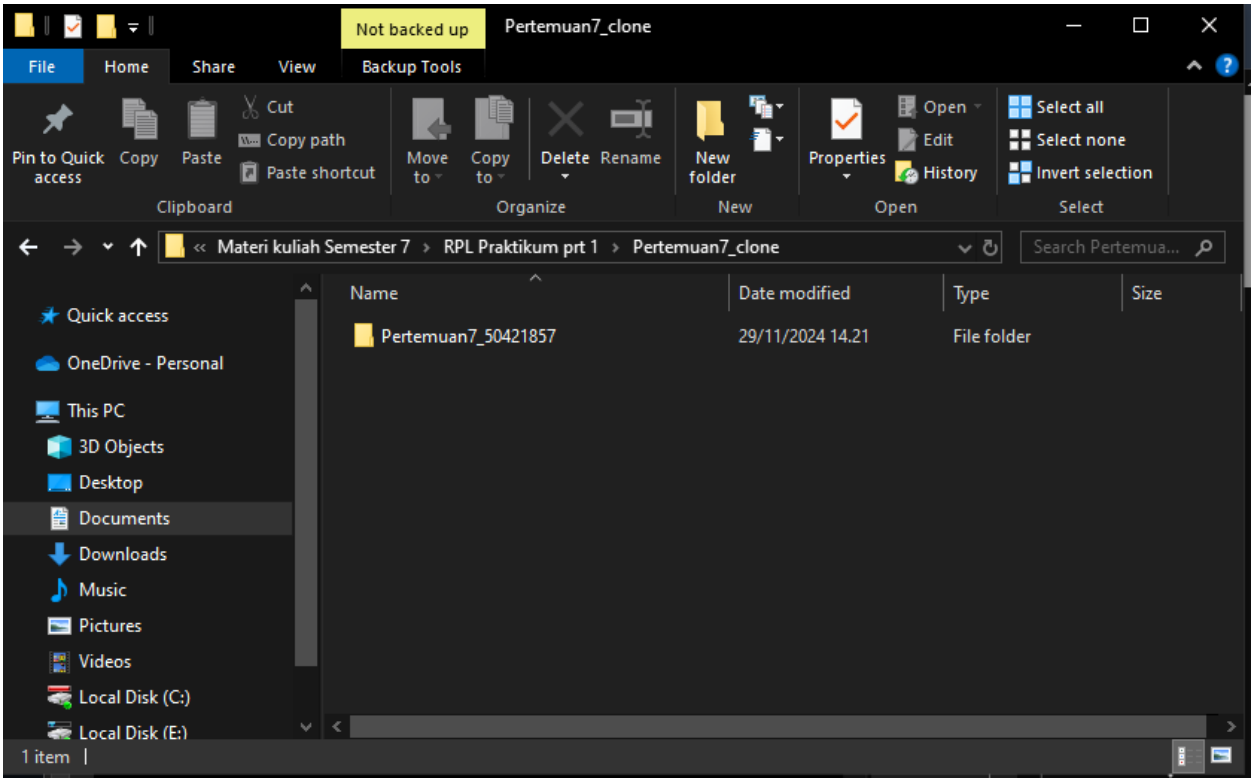
Git push

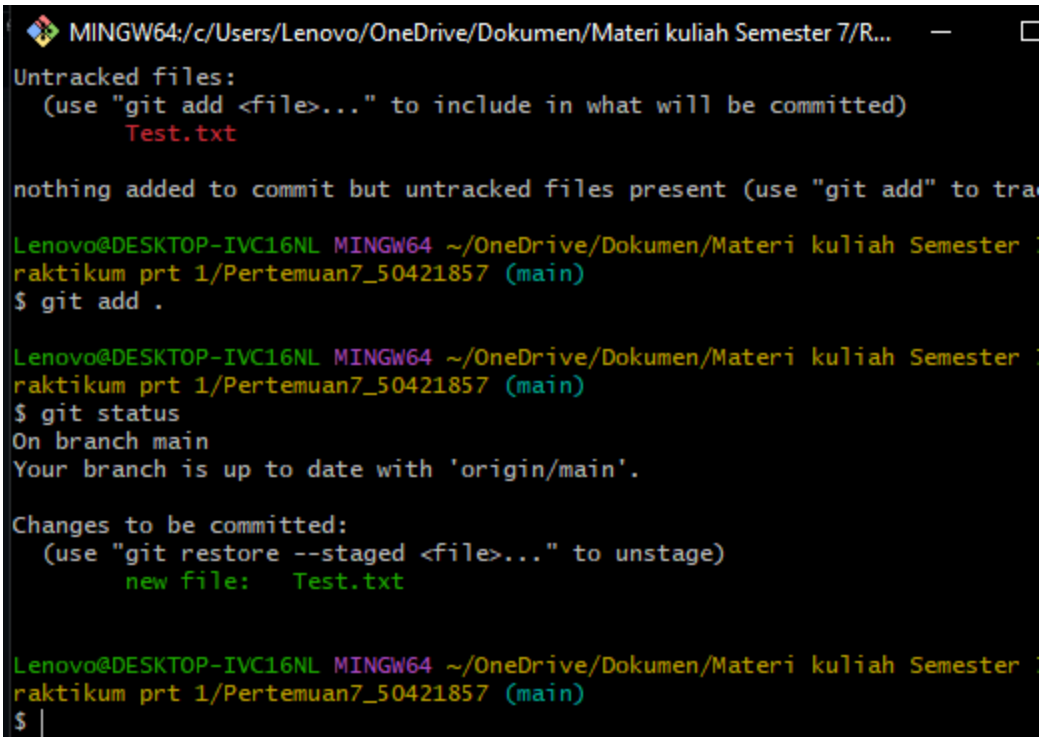

MINGW64:/c/Users/Lenovo/OneDrive/Dokumen/Materi kuliah Semester 7/R...
raktikum prt 1/Pertemuan7_50421857 (main)
$ git push - origin main
error: src refspec origin does not match any
error: failed to push some refs to '-'
Lenovo@DESKTOP-IVC16NL MINGW64 ~/OneDrive/Dokumen/Materi kuliah Semester 7/RPL P
raktikum prt 1/Pertemuan7_50421857 (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 242 bytes | 80.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/MuhamadAltariq/Pertemuan7_50421857.git
* [new branch] main -> main
branch 'main' set up to track 'origin/main'.
Lenovo@DESKTOP-IVC16NL MINGW64 ~/OneDrive/Dokumen/Materi kuliah Semester 7/RPL P
raktikum prt 1/Pertemuan7_50421857 (main)
$
Lenovo@DESKTOP-IVC16NL MINGW64 ~/OneDrive/Dokumen/Materi kuliah Semester 7/RPL P
raktikum prt 1/Pertemuan7_50421857 (main)
$

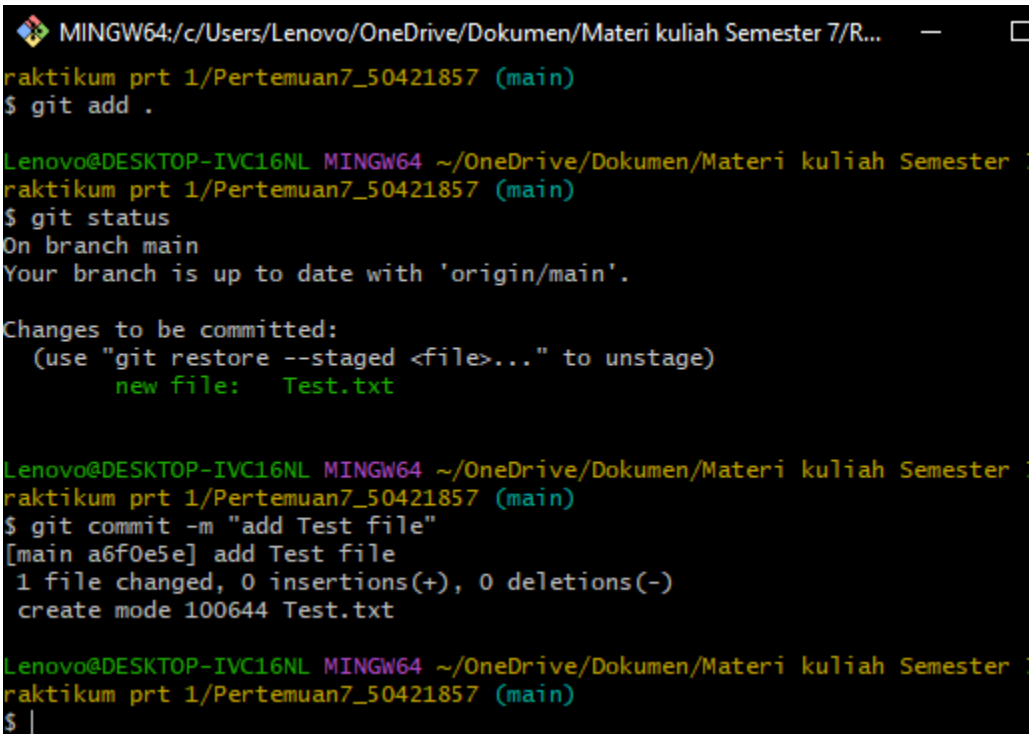

MuhamadAltariq / Pertemuan7_50421857
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Pertemuan7_50421857
Public
Pin
Unwatch 1
Star 0
main
1 Branch
0 Tags
Go to file
Add file
Code
About
No description, website, or topics provided.
MuhamadAltariq first commit
1 Commit
README.md
first commit
5 minutes ago
README
Pertemuan7_50421857
Readme
Activity
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
Activate Windows
Go to Settings to activate Windows.

Git Clone

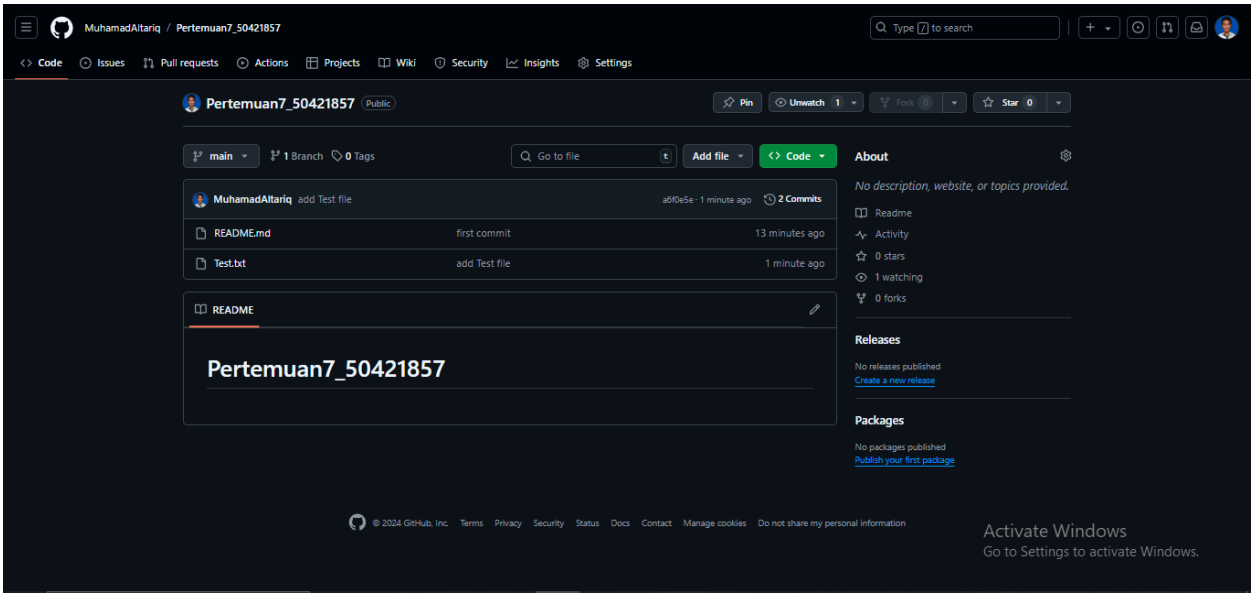

MINGW64:/c/Users/Lenovo/OneDrive/Dokumen/Materi kuliah Semester 7/R...
Lenovo@DESKTOP-IVC16NL MINGW64 ~/OneDrive/Dokumen/Materi kuliah Semester 7/RPL Praktikum prt 1/Pertemuan7_clone
$ git clone https://github.com/MuhamadAltariq/Pertemuan7_50421857.git
Cloning into 'Pertemuan7_50421857'...
remote: Enumerating 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.
Lenovo@DESKTOP-IVC16NL MINGW64 ~/OneDrive/Dokumen/Materi kuliah Semester 7/RPL Praktikum prt 1/Pertemuan7_clone
$


Not backed up
Pertemuan7_clone
File
Home
Share
View
Backup Tools
Pin to Quick access
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New
Properties
Open
Edit
History
Open
Select all
Select none
Invert selection
Select
Materi kuliah Semester 7 › RPL Praktikum prt 1 › Pertemuan7_clone
Search Pertemua...
Quick access
OneDrive - Personal
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
Local Disk (E:)
Name
Date modified
Type
Size
Pertemuan7_50421857
29/11/2024 14.21
File folder
1 item

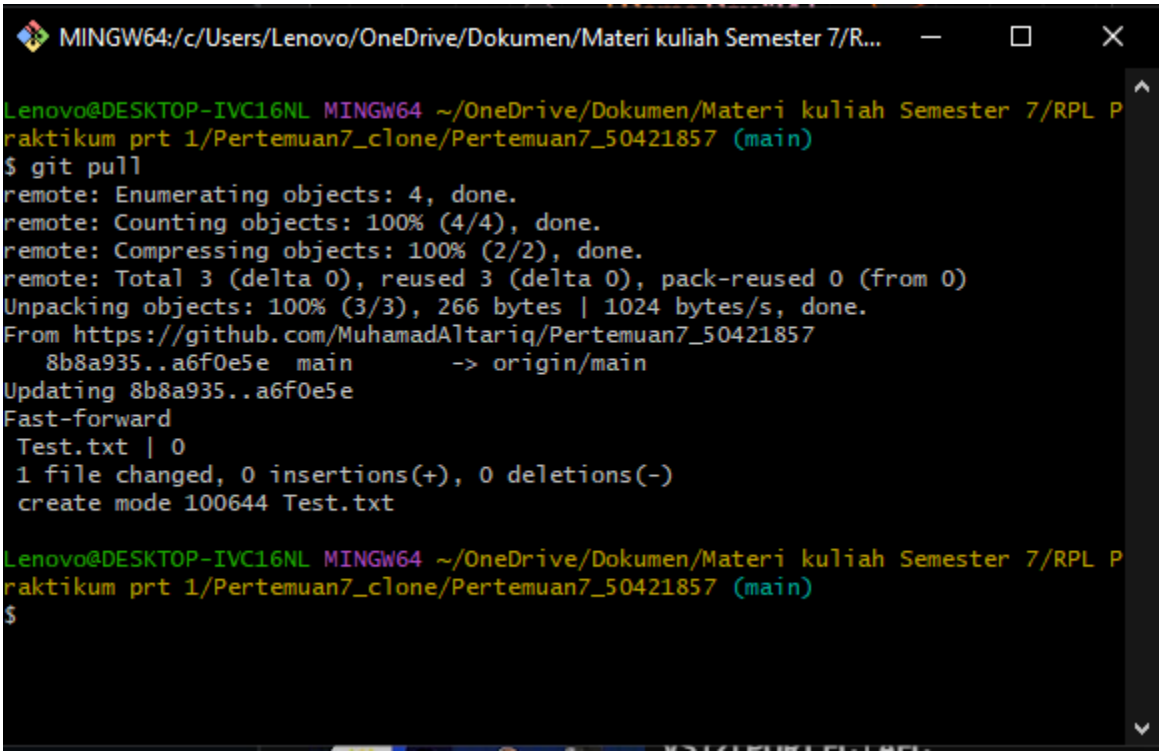


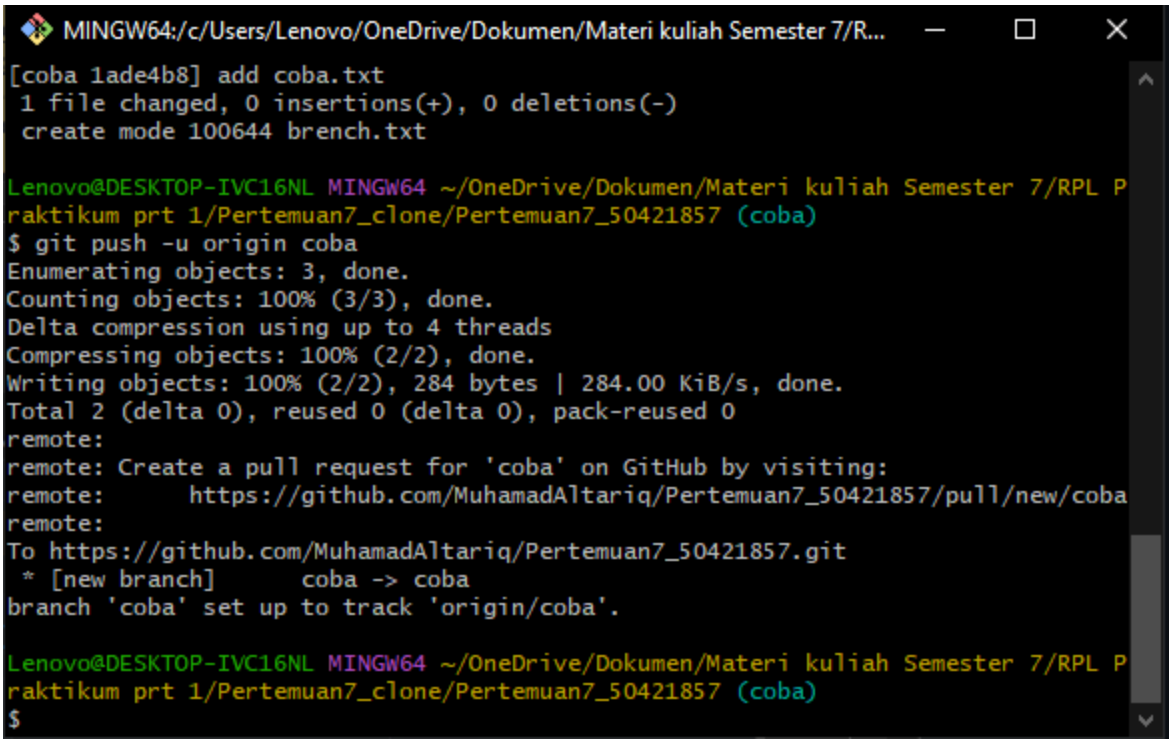


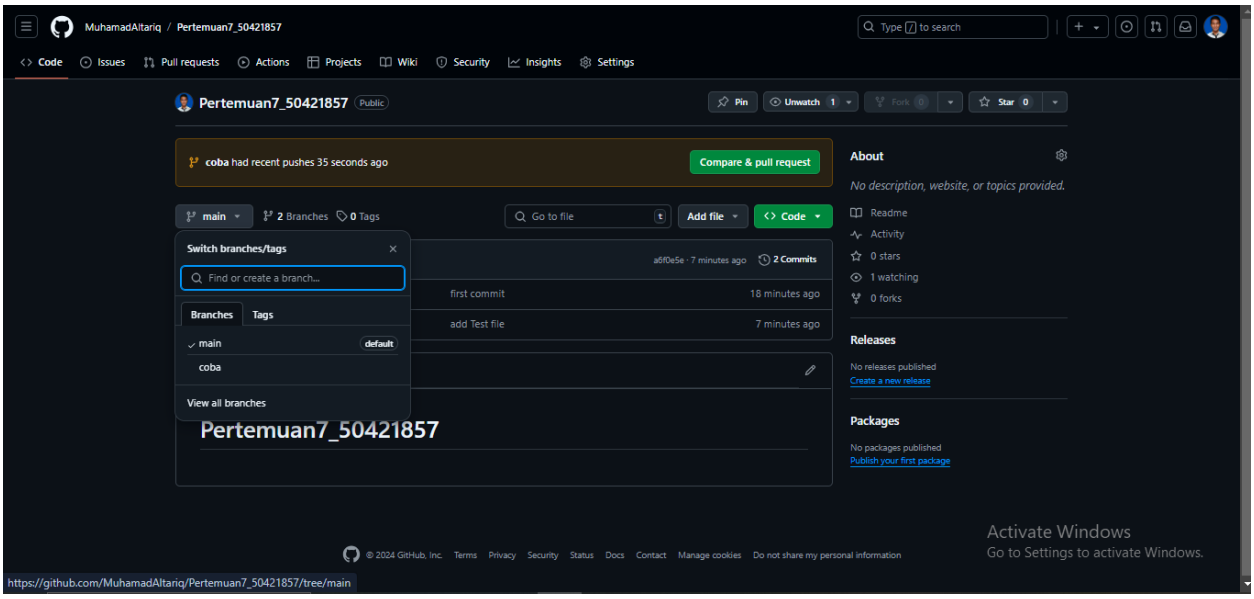
Git push file Test.txt ke dalam Pertemuan7_50421857

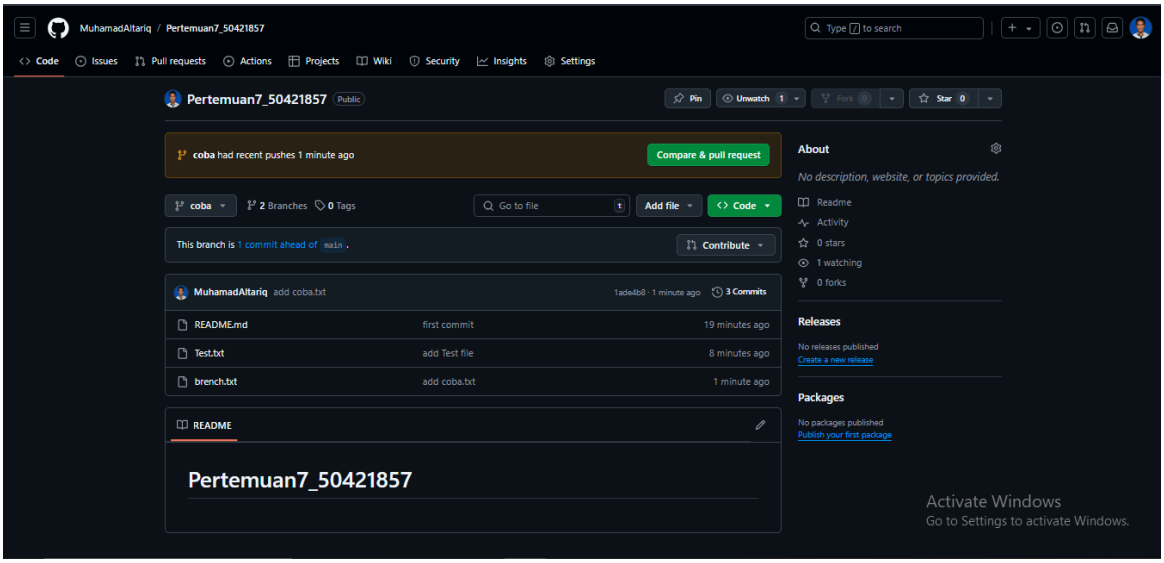


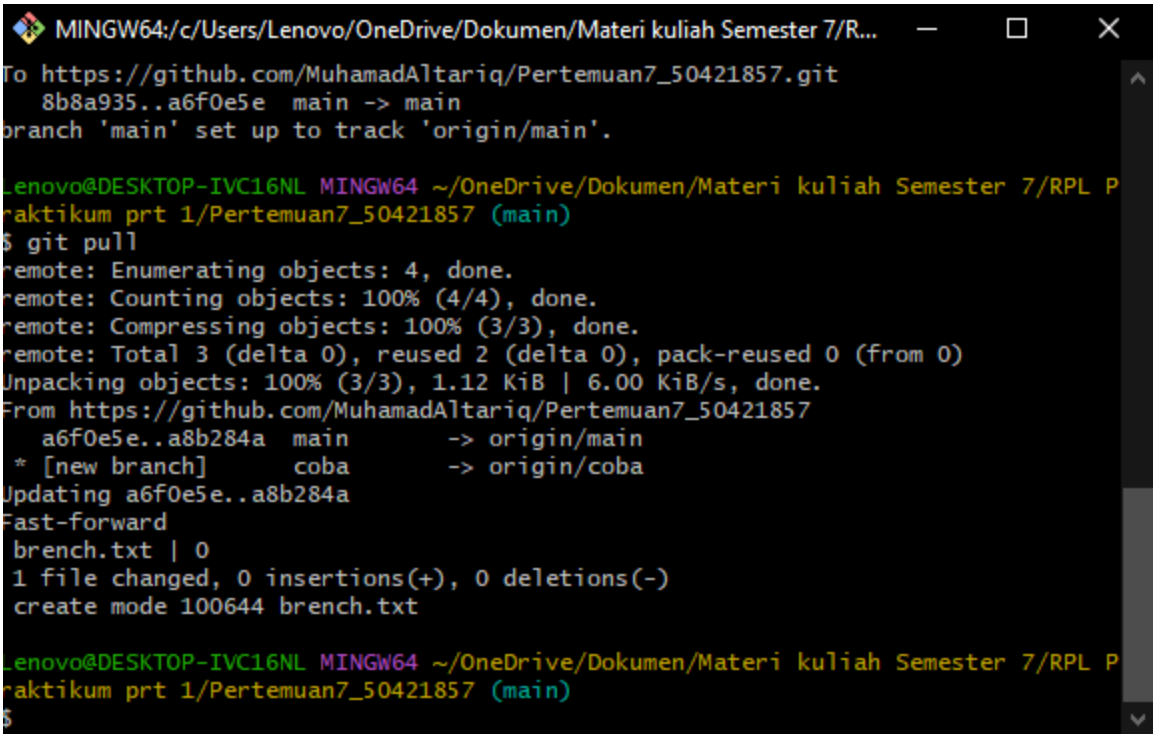
Git Pull dalam file Clone




MINGW64:/c/Users/Lenovo/OneDrive/Dokumen/Materi kuliah Semester 7/R...
[coba 1ade4b8] add coba.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 brench.txt
Lenovo@DESKTOP-IVC16NL MINGW64 ~/OneDrive/Dokumen/Materi kuliah Semester 7/RPL P
raktikum prt 1/Pertemuan7_clone/Pertemuan7_50421857 (coba)
$ git push -u origin coba
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 284 bytes | 284.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'coba' on GitHub by visiting:
remote: https://github.com/MuhamadAltariq/Pertemuan7_50421857/pull/new/coba
remote:
To https://github.com/MuhamadAltariq/Pertemuan7_50421857.git
* [new branch] coba -> coba
branch 'coba' set up to track 'origin/coba'.
Lenovo@DESKTOP-IVC16NL MINGW64 ~/OneDrive/Dokumen/Materi kuliah Semester 7/RPL P
raktikum prt 1/Pertemuan7_clone/Pertemuan7_50421857 (coba)
$


MuhamadAltariq / Pertemuan7_50421857
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Pertemuan7_50421857
Public
coba had recent pushes 35 seconds ago
Compare & pull request
main
2 Branches
0 Tags
Go to file
Add file
Code
Switch branches/tags
Find or create a branch...
Branches
Tags
main
default
coba
View all branches
first commit
18 minutes ago
add Test file
7 minutes ago
2 Commits
Pertemuan7_50421857
About
No description, website, or topics provided.
Readme
Activity
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
Activate Windows
Go to Settings to activate Windows.
https://github.com/MuhamadAltariq/Pertemuan7_50421857/tree/main


MuhamadAltariq / Pertemuan7_50421857
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Pertemuan7_50421857
Public
Pin
Unwatch 1
Fork 0
Star 0
coba had recent pushes 1 minute ago
Compare & pull request
About
No description, website, or topics provided.
coba
2 Branches
0 Tags
Go to file
t
Add file
Code
This branch is 1 commit ahead of main .
Contribute
Readme
Activity
0 stars
1 watching
0 forks
MuhamadAltariq add coba.txt
1ade4b8 · 1 minute ago
3 Commits
README.md
first commit
19 minutes ago
Test.txt
add Test file
8 minutes ago
brench.txt
add coba.txt
1 minute ago
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
README
Pertemuan7_50421857
Activate Windows
Go to Settings to activate Windows.


MINGW64:/c/Users/Lenovo/OneDrive/Dokumen/Materi kuliah Semester 7/R...
To https://github.com/MuhamadAltariq/Pertemuan7_50421857.git
8b8a935..a6f0e5e main -> main
branch 'main' set up to track 'origin/main'.
Lenovo@DESKTOP-IVC16NL MINGW64 ~/OneDrive/Dokumen/Materi kuliah Semester 7/RPL P
raktikum prt 1/Pertemuan7_50421857 (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), 1.12 KiB | 6.00 KiB/s, done.
From https://github.com/MuhamadAltariq/Pertemuan7_50421857
a6f0e5e..a8b284a main -> origin/main
* [new branch] coba -> origin/coba
Updating a6f0e5e..a8b284a
Fast-forward
brench.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 brench.txt
Lenovo@DESKTOP-IVC16NL MINGW64 ~/OneDrive/Dokumen/Materi kuliah Semester 7/RPL P
raktikum prt 1/Pertemuan7_50421857 (main)
$