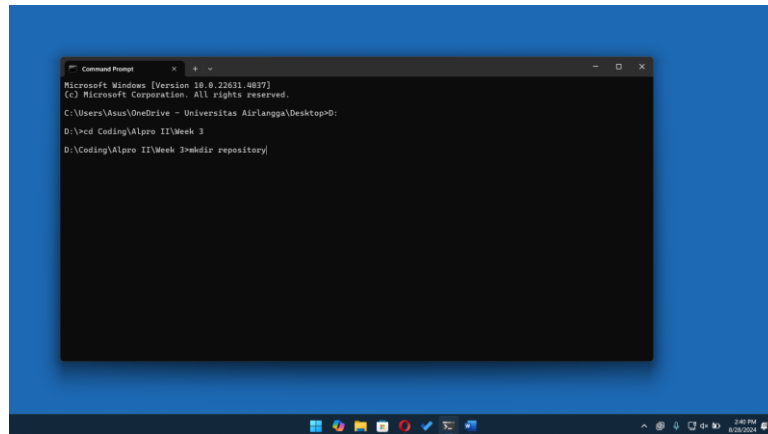


Tugas Algoritma Pemrograman Week 3

A. Membuat Repository

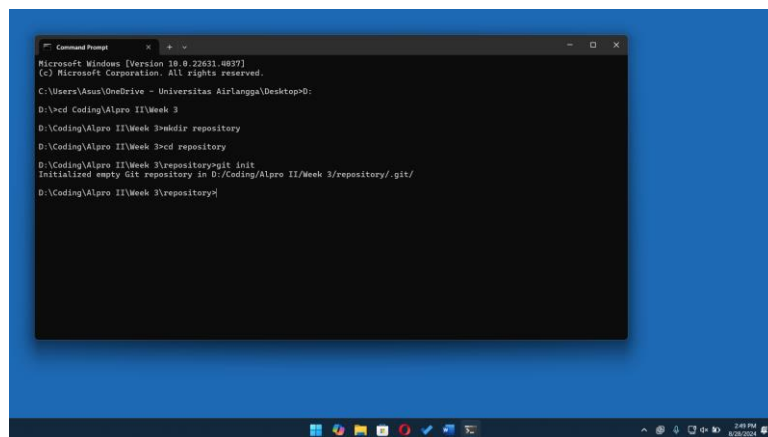
1. Buat folder



```
Microsoft Windows [Version 10.0.22631.4837]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Asus\OneDrive - Universitas Airlangga\Desktop>
D:\>cd Coding\Alpro II\Week 3
D:\Coding\Alpro II\Week 3>mkdir repository
```

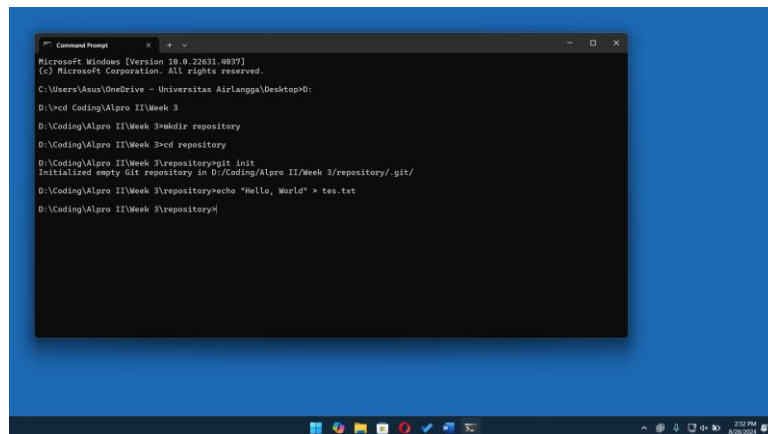
2. Buat repository git menggunakan `git init`



```
Microsoft Windows [Version 10.0.22631.4837]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Asus\OneDrive - Universitas Airlangga\Desktop>
D:\>cd Coding\Alpro II\Week 3
D:\Coding\Alpro II\Week 3>mkdir repository
D:\Coding\Alpro II\Week 3>cd repository
D:\Coding\Alpro II\Week 3\repository>git init
Initialized empty Git repository in D:/Coding/Alpro II/Week 3/repository/.git/
D:\Coding\Alpro II\Week 3\repository>
```

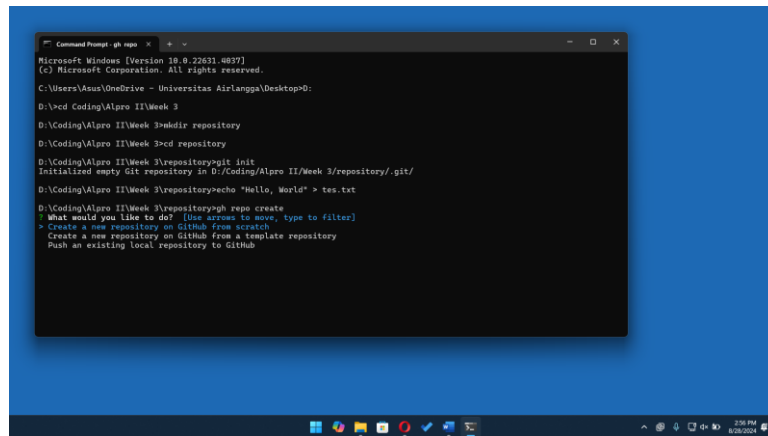
3. Buat file apapun (disini saya membuat file txt)



```
Microsoft Windows [Version 10.0.22631.4837]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Asus\OneDrive - Universitas Airlangga\Desktop>
D:\>cd Coding\Alpro II\Week 3
D:\Coding\Alpro II\Week 3>mkdir repository
D:\Coding\Alpro II\Week 3>cd repository
D:\Coding\Alpro II\Week 3\repository>git init
Initialized empty Git repository in D:/Coding/Alpro II/Week 3/repository/.git/
D:\Coding\Alpro II\Week 3\repository>echo "Hello, World!" > tes.txt
D:\Coding\Alpro II\Week 3\repository>
```

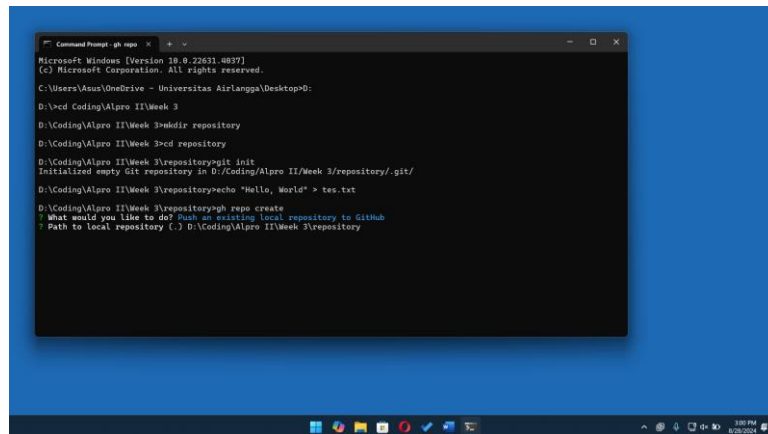
4. Buat repository GitHub baru menggunakan **gh repo create**
- Untuk membuat repository GitHub menggunakan repository local yang telah dibuat, pilih *Push an existing local repository to GitHub*



```
Microsoft Windows [Version 10.0.22631.4837]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Assu\OneDrive - Universitas Airlangga\Desktop>D:
D:\>cd Coding\Alpro II\Week 3
D:\Coding\Alpro II\Week 3>mkdir repository
D:\Coding\Alpro II\Week 3>cd repository
D:\Coding\Alpro II\Week 3>git init
Initialized empty Git repository in D:\Coding\Alpro II\Week 3\repository\.git\
D:\Coding\Alpro II\Week 3>echo "Hello, World" > tes.txt
D:\Coding\Alpro II\Week 3>git add .
D:\Coding\Alpro II\Week 3>git commit -m "Initial commit"
D:\Coding\Alpro II\Week 3>gh repo create
? What would you like to do? (Use arrows to move, type to filter)
> Create a new repository on GitHub from scratch
Create a new repository on GitHub from a template repository
Push an existing local repository to GitHub
```

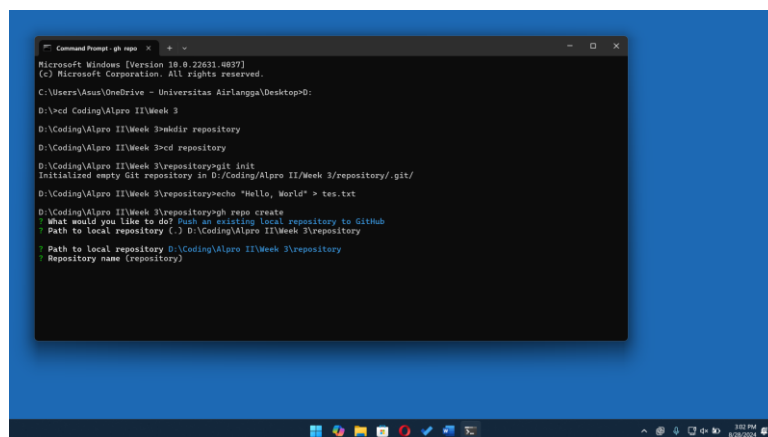
- Masukkan path yang memuat repository local yang ingin di push ke GitHub



```
Microsoft Windows [Version 10.0.22631.4837]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Assu\OneDrive - Universitas Airlangga\Desktop>D:
D:\>cd Coding\Alpro II\Week 3
D:\Coding\Alpro II\Week 3>mkdir repository
D:\Coding\Alpro II\Week 3>cd repository
D:\Coding\Alpro II\Week 3>git init
Initialized empty Git repository in D:\Coding\Alpro II\Week 3\repository\.git\
D:\Coding\Alpro II\Week 3>echo "Hello, World" > tes.txt
D:\Coding\Alpro II\Week 3>git add .
D:\Coding\Alpro II\Week 3>git commit -m "Initial commit"
D:\Coding\Alpro II\Week 3>gh repo create
? What would you like to do? Push an existing local repository to GitHub
? Path to local repository (.) D:\Coding\Alpro II\Week 3\repository
```

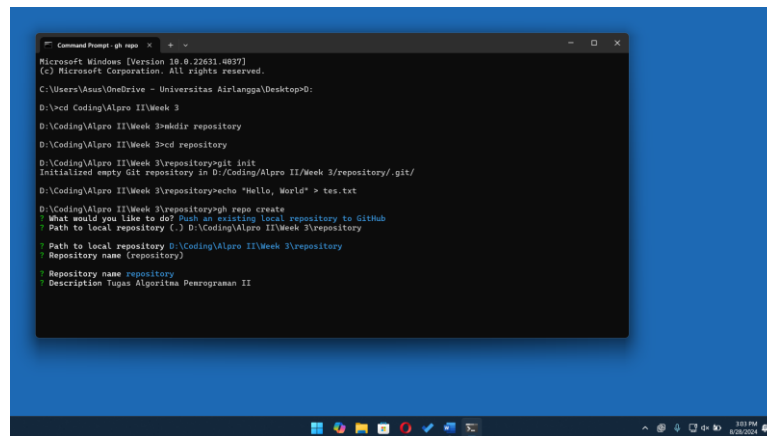
- Beri nama repository untuk GitHub



```
Microsoft Windows [Version 10.0.22631.4837]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Assu\OneDrive - Universitas Airlangga\Desktop>D:
D:\>cd Coding\Alpro II\Week 3
D:\Coding\Alpro II\Week 3>mkdir repository
D:\Coding\Alpro II\Week 3>cd repository
D:\Coding\Alpro II\Week 3>git init
Initialized empty Git repository in D:\Coding\Alpro II\Week 3\repository\.git\
D:\Coding\Alpro II\Week 3>echo "Hello, World" > tes.txt
D:\Coding\Alpro II\Week 3>git add .
D:\Coding\Alpro II\Week 3>git commit -m "Initial commit"
D:\Coding\Alpro II\Week 3>gh repo create
? What would you like to do? Push an existing local repository to GitHub
? Path to local repository (.) D:\Coding\Alpro II\Week 3\repository
? Path to local repository D:\Coding\Alpro II\Week 3\repository
? Repository name (repository)
```

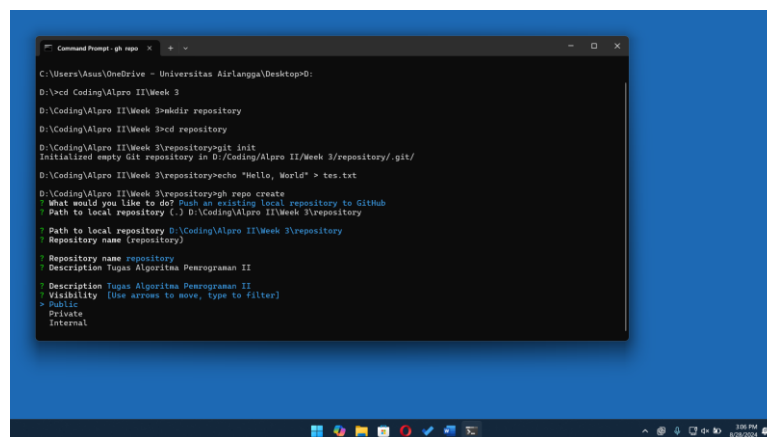
d. Beri deskripsi dari repository



```
Microsoft Windows [Version 10.0.22531.4837]
(c) Microsoft Corporation. All rights reserved.

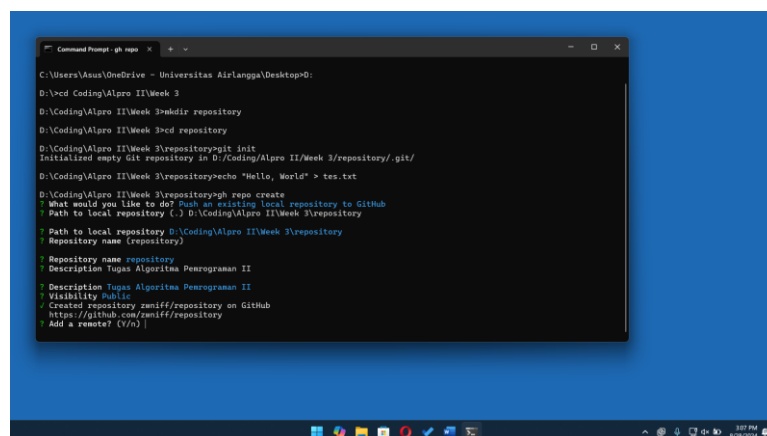
C:\Users\Asus\OneDrive - Universitas Airlangga\Desktop>D:
D:\>cd Coding\Alpro II\Week 3
D:\Coding\Alpro II\Week 3>mkdir repository
D:\Coding\Alpro II\Week 3>cd repository
D:\Coding\Alpro II\Week 3>git init
Initialized empty Git repository in D:\Coding\Alpro II\Week 3\repository\.git\
D:\Coding\Alpro II\Week 3>echo "Hello, World" > tes.txt
D:\Coding\Alpro II\Week 3>git repo create
? What would you like to do? Push an existing local repository to GitHub
? Path to local repository (.) D:\Coding\Alpro II\Week 3\repository
? Path to local repository D:\Coding\Alpro II\Week 3\repository
? Repository name (repository)
? Repository name repository
? Description Tugas Algoritma Pemrograman II
```

e. Pilih visibilitas repository



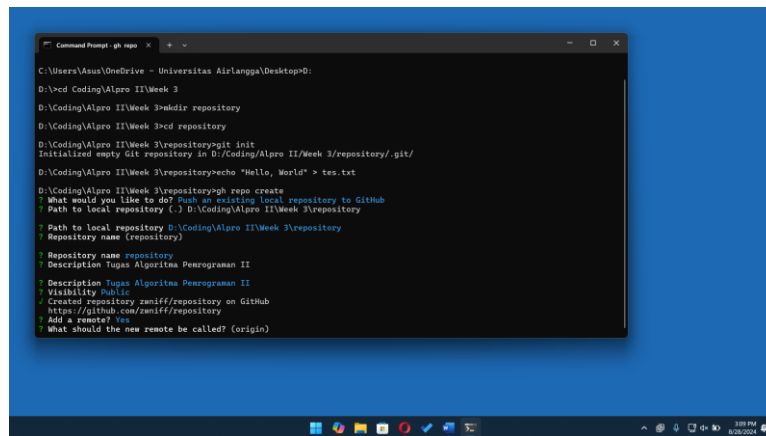
```
C:\Users\Asus\OneDrive - Universitas Airlangga\Desktop>D:
D:\>cd Coding\Alpro II\Week 3
D:\Coding\Alpro II\Week 3>mkdir repository
D:\Coding\Alpro II\Week 3>cd repository
D:\Coding\Alpro II\Week 3>git init
Initialized empty Git repository in D:\Coding\Alpro II\Week 3\repository\.git\
D:\Coding\Alpro II\Week 3>echo "Hello, World" > tes.txt
D:\Coding\Alpro II\Week 3>git repo create
? What would you like to do? Push an existing local repository to GitHub
? Path to local repository (.) D:\Coding\Alpro II\Week 3\repository
? Path to local repository D:\Coding\Alpro II\Week 3\repository
? Repository name (repository)
? Repository name repository
? Description Tugas Algoritma Pemrograman II
? Description Tugas Algoritma Pemrograman II
? Visibility [Use arrows to move, type to filter]
> Public
? Private
? Internal
```

f. Tambahkan remote agar dapat melakukan push ke github



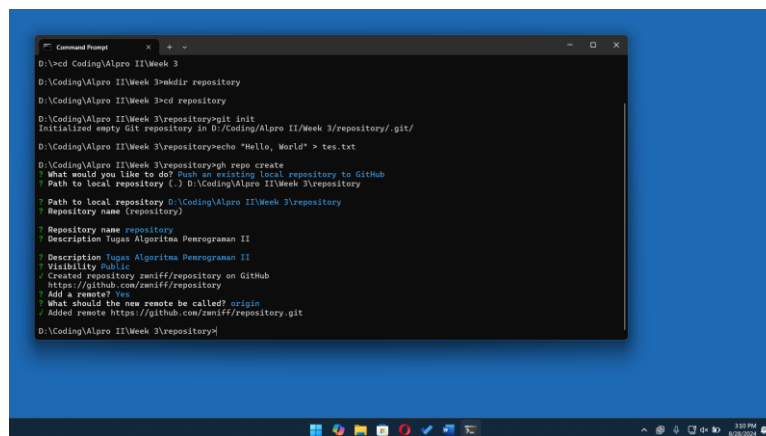
```
C:\Users\Asus\OneDrive - Universitas Airlangga\Desktop>D:
D:\>cd Coding\Alpro II\Week 3
D:\Coding\Alpro II\Week 3>mkdir repository
D:\Coding\Alpro II\Week 3>cd repository
D:\Coding\Alpro II\Week 3>git init
Initialized empty Git repository in D:\Coding\Alpro II\Week 3\repository\.git\
D:\Coding\Alpro II\Week 3>echo "Hello, World" > tes.txt
D:\Coding\Alpro II\Week 3>git repo create
? What would you like to do? Push an existing local repository to GitHub
? Path to local repository (.) D:\Coding\Alpro II\Week 3\repository
? Path to local repository D:\Coding\Alpro II\Week 3\repository
? Repository name (repository)
? Repository name repository
? Description Tugas Algoritma Pemrograman II
? Description Tugas Algoritma Pemrograman II
? Visibility Public
? Created repository zmiiff/repository on GitHub
? https://github.com/zmiiff/repository
? Add a remote? (Y/n)
```

g. Buat nama remote



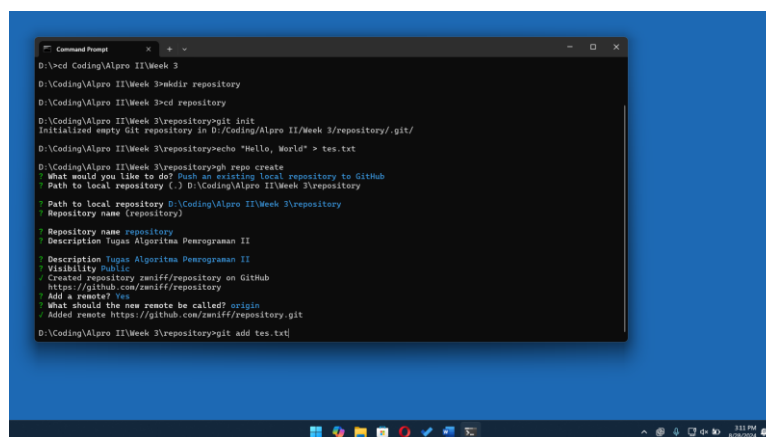
```
Command Prompt - gh repo
C:\Users\Asus\OneDrive - Universitas Airlangga\Desktop>
D:\>cd Coding\Alpro II\Week 3
D:\Coding\Alpro II\Week 3>mkdir repository
D:\Coding\Alpro II\Week 3>cd repository
D:\Coding\Alpro II\Week 3\repository>git init
Initialized empty Git repository in D:\Coding\Alpro II\Week 3\repository\.git\
D:\Coding\Alpro II\Week 3\repository>echo "Hello, World" > tes.txt
D:\Coding\Alpro II\Week 3\repository>git add .
D:\Coding\Alpro II\Week 3\repository>git commit -m "First commit"
D:\Coding\Alpro II\Week 3\repository>git push
? What would you like to do? Push an existing local repository to GitHub
? Path to local repository (-) D:\Coding\Alpro II\Week 3\repository
? Path to local repository D:\Coding\Alpro II\Week 3\repository
? Repository name (repository)
? Repository name repository
? Description Tugas Algoritma Pemrograman II
? Description Tugas Algoritma Pemrograman II
? Visibility Public
? Created repository zamiff/repository on GitHub
https://github.com/zamiff/repository
? Add a remote? Yes
? What should the new remote be called? (origin)
```

h. Repository berhasil dibuat



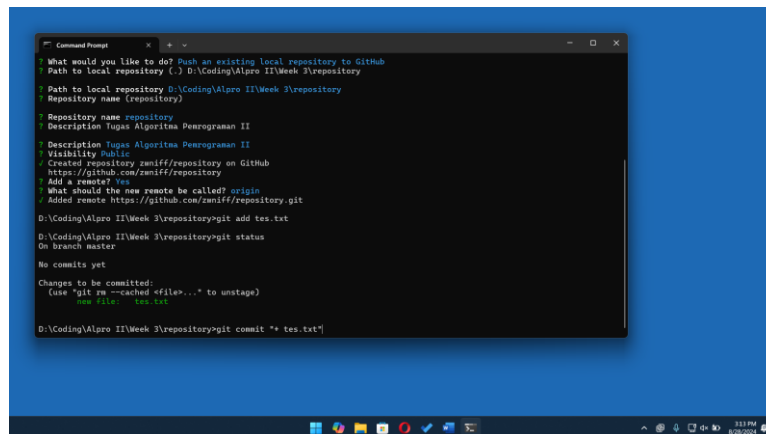
```
Command Prompt
D:\>cd Coding\Alpro II\Week 3
D:\Coding\Alpro II\Week 3>mkdir repository
D:\Coding\Alpro II\Week 3>cd repository
D:\Coding\Alpro II\Week 3\repository>git init
Initialized empty Git repository in D:\Coding\Alpro II\Week 3\repository\.git\
D:\Coding\Alpro II\Week 3\repository>echo "Hello, World" > tes.txt
D:\Coding\Alpro II\Week 3\repository>git add .
D:\Coding\Alpro II\Week 3\repository>git commit -m "First commit"
D:\Coding\Alpro II\Week 3\repository>git push
? What would you like to do? Push an existing local repository to GitHub
? Path to local repository (-) D:\Coding\Alpro II\Week 3\repository
? Path to local repository D:\Coding\Alpro II\Week 3\repository
? Repository name (repository)
? Repository name repository
? Description Tugas Algoritma Pemrograman II
? Description Tugas Algoritma Pemrograman II
? Visibility Public
? Created repository zamiff/repository on GitHub
https://github.com/zamiff/repository
? Add a remote? Yes
? What should the new remote be called? origin
? Added remote https://github.com/zamiff/repository.git
D:\Coding\Alpro II\Week 3\repository>
```

5. Lakukan tracking file menggunakan **git add <filename>**



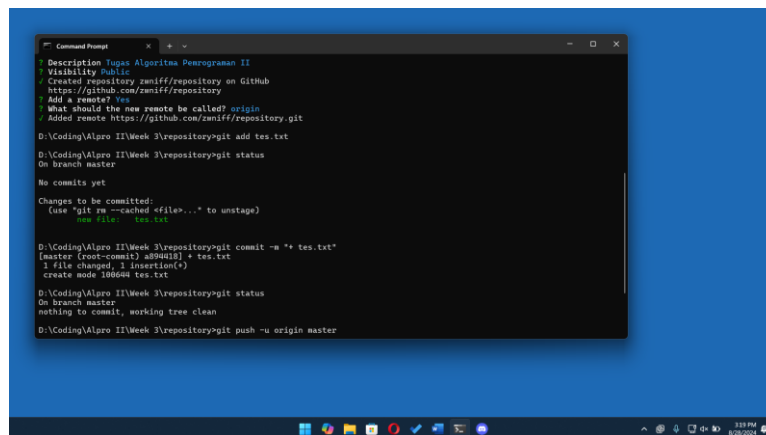
```
Command Prompt
D:\>cd Coding\Alpro II\Week 3
D:\Coding\Alpro II\Week 3>mkdir repository
D:\Coding\Alpro II\Week 3>cd repository
D:\Coding\Alpro II\Week 3\repository>git init
Initialized empty Git repository in D:\Coding\Alpro II\Week 3\repository\.git\
D:\Coding\Alpro II\Week 3\repository>echo "Hello, World" > tes.txt
D:\Coding\Alpro II\Week 3\repository>git add .
D:\Coding\Alpro II\Week 3\repository>git commit -m "First commit"
D:\Coding\Alpro II\Week 3\repository>git push
? What would you like to do? Push an existing local repository to GitHub
? Path to local repository (-) D:\Coding\Alpro II\Week 3\repository
? Path to local repository D:\Coding\Alpro II\Week 3\repository
? Repository name (repository)
? Repository name repository
? Description Tugas Algoritma Pemrograman II
? Description Tugas Algoritma Pemrograman II
? Visibility Public
? Created repository zamiff/repository on GitHub
https://github.com/zamiff/repository
? Add a remote? Yes
? What should the new remote be called? origin
? Added remote https://github.com/zamiff/repository.git
D:\Coding\Alpro II\Week 3\repository>git add tes.txt
```

6. Setelah file ter-track, lakukan commit menggunakan `git commit -m <desc>`



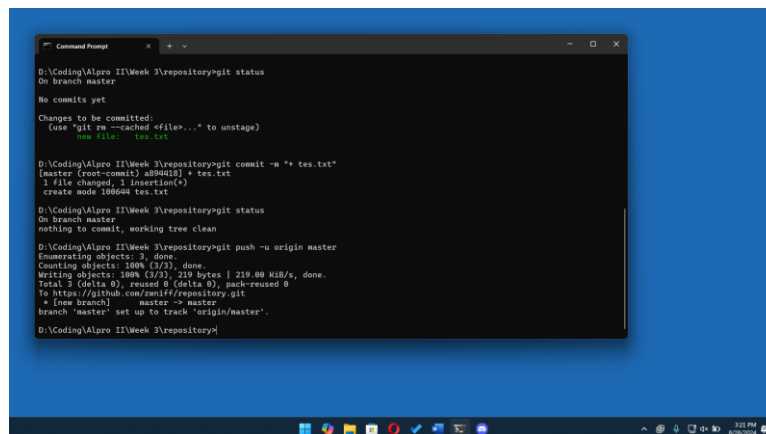
```
Command Prompt
? What would you like to do? Push an existing local repository to GitHub
? Path to local repository (-) D:\Coding\Alpro II\Week 3\repository
? Repository name (repository)
? Repository name repository
? Description Tugas Algoritma Pemrograman II
? Visibility Public
? Created repository zsniff/repository on GitHub
? https://github.com/zsniff/repository
? Add a remote? Yes
? What should the new remote be called? origin
? Added remote https://github.com/zsniff/repository.git
D:\Coding\Alpro II\Week 3\repository>git add tes.txt
D:\Coding\Alpro II\Week 3\repository>git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   tes.txt
D:\Coding\Alpro II\Week 3\repository>git commit -m "tes.txt"
```

7. Jika sudah melakukan commit, push repository local agar repository GitHub terupdate



```
Command Prompt
? Description Tugas Algoritma Pemrograman II
? Visibility Public
? Created repository zsniff/repository on GitHub
? https://github.com/zsniff/repository
? Add a remote? Yes
? What should the new remote be called? origin
? Added remote https://github.com/zsniff/repository.git
D:\Coding\Alpro II\Week 3\repository>git add tes.txt
D:\Coding\Alpro II\Week 3\repository>git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   tes.txt
D:\Coding\Alpro II\Week 3\repository>git commit -m "tes.txt"
[master (root-commit) a89418] tes.txt
1 file changed, 1 insertion(+)
create mode 100644 tes.txt
D:\Coding\Alpro II\Week 3\repository>git status
On branch master
nothing to commit, working tree clean
D:\Coding\Alpro II\Week 3\repository>git push -u origin master
```

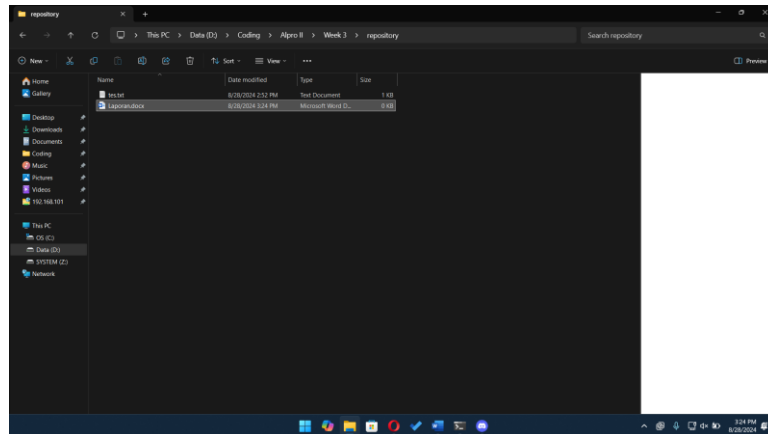
8. Repository GitHub berhasil terupdate dan kini dapat dibuka melalui [GitHub](https://github.com/zsniff/repository)



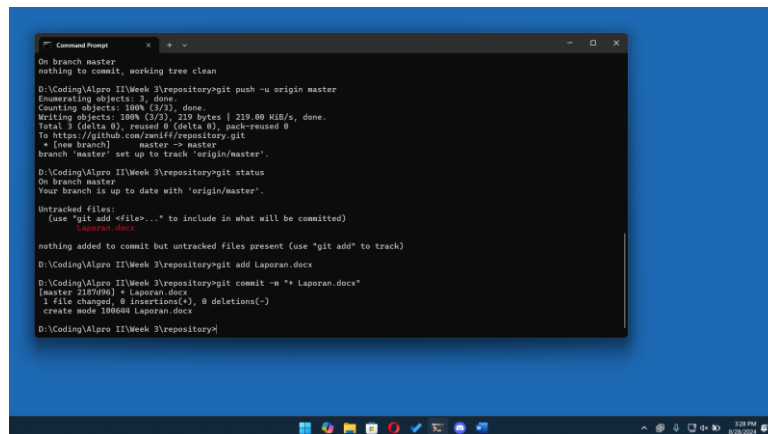
```
Command Prompt
D:\Coding\Alpro II\Week 3\repository>git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   tes.txt
D:\Coding\Alpro II\Week 3\repository>git commit -m "tes.txt"
[master (root-commit) a89418] tes.txt
1 file changed, 1 insertion(+)
create mode 100644 tes.txt
D:\Coding\Alpro II\Week 3\repository>git status
On branch master
nothing to commit, working tree clean
D:\Coding\Alpro II\Week 3\repository>git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 219 bytes | 219.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/zsniff/repository.git
 * [new branch] master -> master
branch 'master' set up to track 'origin/master'.
D:\Coding\Alpro II\Week 3\repository>
```

B. Menambahkan File baru

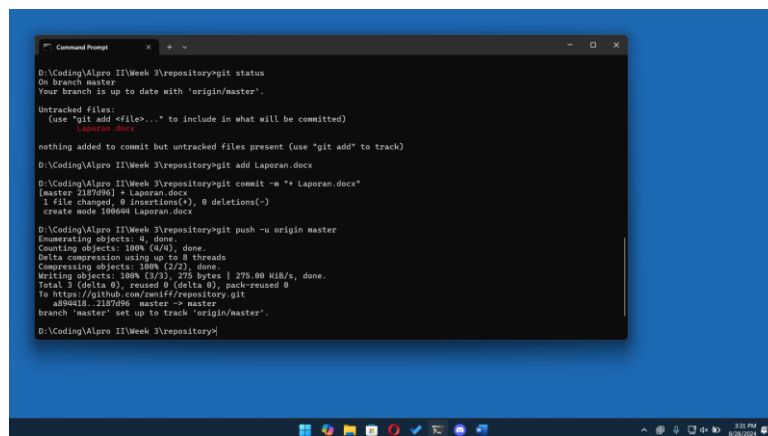
1. Buat file baru (disini saya membuat file laporan.docx)



2. Lakukan tracking dan commit seperti diatas



3. Push repository local



4. Repository kini terupdate dan dapat dibuka dari [Github](#)

