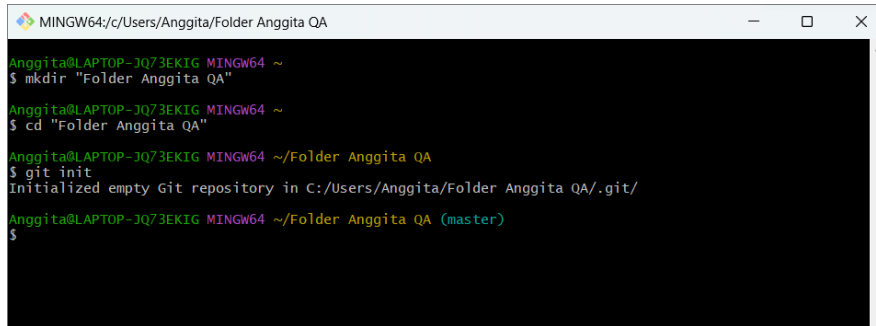


LEARNING

1. Git Introduction. Watch Git Course Section 1 :
<https://drive.google.com/drive/folders/1r6h2fv6ZS4e1SI73hjEyeBGYpcEfJYg4?usp=sharing>
2. Terminal Basic. Watch git Course Section 2 :
https://drive.google.com/drive/folders/1poBA_oMxs8mx9ZESu10VL93fTJwvjCYH?usp=sharing
3. Git Basic : Git workflow. Watch Git Course Section 3, Part 10 - 12 :
<https://drive.google.com/drive/u/1/folders/1e1Jnkq1a0IMzhybjuySPSTQqcqVzciis>
4. Git Basic : Git Commit. Watch Git Course Section 3, Part 13 - 15 :
<https://drive.google.com/drive/u/1/folders/1e1Jnkq1a0IMzhybjuySPSTQqcqVzciis>
5. Git Basic : Git Checkout. Watch Git Course Section 3, Part 16 :
<https://drive.google.com/drive/u/1/folders/1e1Jnkq1a0IMzhybjuySPSTQqcqVzciis>
6. Git Basic : Git Revert & Reset. Watch Git Course Section 3, Part 17 - 18 :
<https://drive.google.com/drive/u/1/folders/1e1Jnkq1a0IMzhybjuySPSTQqcqVzciis>
7. Git Basic : Git Ignore. Watch Git Course Section 3, Part 19 :
<https://drive.google.com/drive/u/1/folders/1e1Jnkq1a0IMzhybjuySPSTQqcqVzciis>
8. Git Branches Introduction. Watch Git Course Section 4, Part 20 - 21 :
<https://drive.google.com/drive/folders/17s-v1KAwwbeFencYdr1lz2vsN5IDB61n?usp=sharing>
9. Git Branches : Creating, Switching, and Deleting Branches. Watch Git Course Section 4, Part 22 : <https://drive.google.com/drive/folders/17s-v1KAwwbeFencYdr1lz2vsN5IDB61n?usp=sharing>
10. Git Branches : Commits on Branches. Watch Git course Section 4, Part 23 :
<https://drive.google.com/drive/folders/17s-v1KAwwbeFencYdr1lz2vsN5IDB61n?usp=sharing>
11. Git Branches : Merging Multiple Branches. Watch Git Course Section 4, Part 24 :
<https://drive.google.com/drive/folders/17s-v1KAwwbeFencYdr1lz2vsN5IDB61n?usp=sharing>
12. GitHub Introduction. Watch Git Course Section 5, Part 25 - 30 :
<https://drive.google.com/drive/folders/1cRpKIGDDDDbY2W0N11FZNWEJuBBXcpuw?usp=sharing>
13. GitHub : Create Remote Repository. Watch Git Course Section 6, Part 32 :
https://drive.google.com/drive/u/1/folders/1sTZ2zjYtKputGMT78OGCQB3l4-Rw_YyT
14. Github : Push & Pull Concept. Watch Git Course Section 6, Part 33 :
https://drive.google.com/drive/u/1/folders/1sTZ2zjYtKputGMT78OGCQB3l4-Rw_YyT
15. Github : Pushing and Pulling with Remote Repository. Watch Git Course Section 6, Part 34 : https://drive.google.com/drive/u/1/folders/1sTZ2zjYtKputGMT78OGCQB3l4-Rw_YyT
16. Github : Delete Remote Branch. Watch Git Course Section 6, Part 35 :
https://drive.google.com/drive/u/1/folders/1sTZ2zjYtKputGMT78OGCQB3l4-Rw_YyT
17. Github : Pull Request. Read Guideline : [Link](#)

TASK

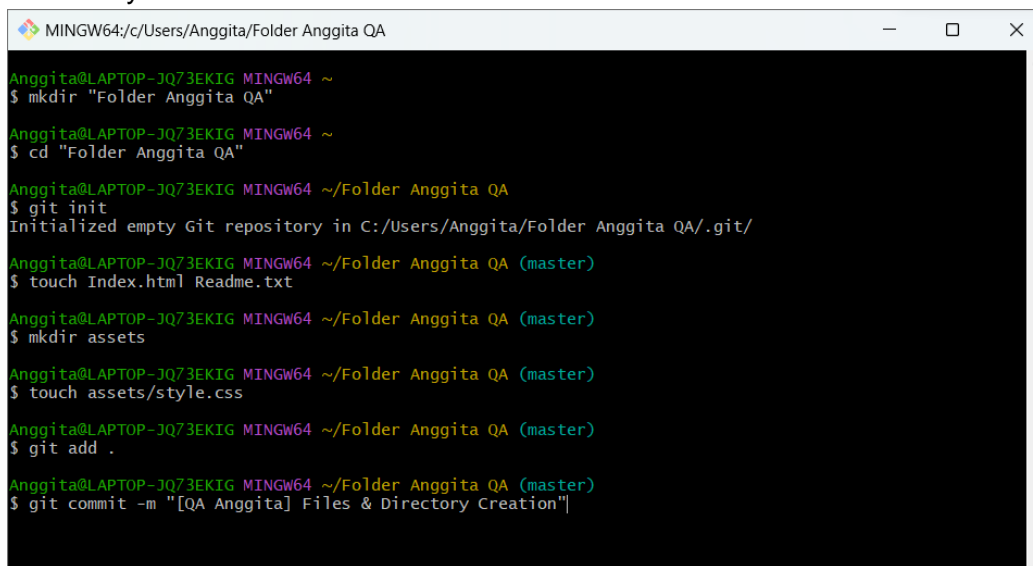
1. Create a new repository.



```
MINGW64/c:/Users/Anggita/Folder Anggita QA
Anggita@LAPTOP-JQ73EKIG MINGW64 ~
$ mkdir "Folder Anggita QA"
Anggita@LAPTOP-JQ73EKIG MINGW64 ~
$ cd "Folder Anggita QA"
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA
$ git init
Initialized empty Git repository in C:/Users/Anggita/Folder Anggita QA/.git/
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$
```

2. Create empty files & directory inside the repository like this :

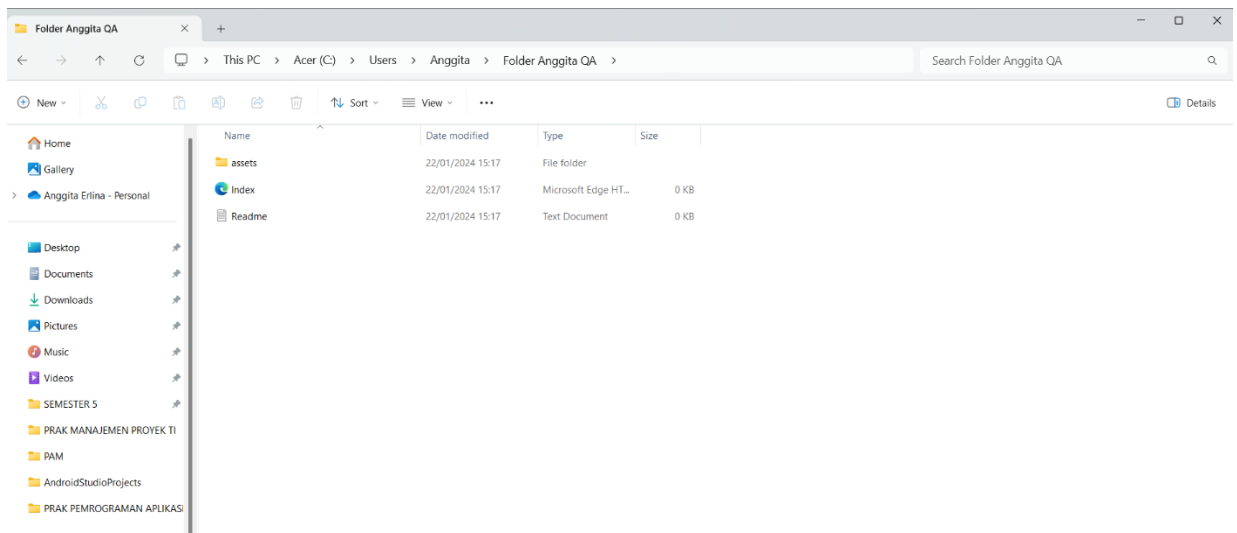
- a. Index.html
- b. Readme.txt
- c. Assets
- d. style.css



```
MINGW64/c:/Users/Anggita/Folder Anggita QA
Anggita@LAPTOP-JQ73EKIG MINGW64 ~
$ mkdir "Folder Anggita QA"
Anggita@LAPTOP-JQ73EKIG MINGW64 ~
$ cd "Folder Anggita QA"
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA
$ git init
Initialized empty Git repository in C:/Users/Anggita/Folder Anggita QA/.git/
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ touch Index.html Readme.txt
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ mkdir assets
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ touch assets/style.css
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git add .
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git commit -m "[QA Anggita] Files & Directory Creation"
```

3. Do first commit for all empty files & directory named "[Initialization] Files & Directory Creation"

```
MINGW64/c/Users/Anggita/Folder Anggita QA
Anggita@LAPTOP-JQ73EKIG MINGW64 ~
$ mkdir "Folder Anggita QA"
Anggita@LAPTOP-JQ73EKIG MINGW64 ~
$ cd "Folder Anggita QA"
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA
$ git init
Initialized empty Git repository in C:/Users/Anggita/Folder Anggita QA/.git/
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ touch Index.html Readme.txt
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ mkdir assets
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ touch assets/style.css
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git add .
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git commit -m "[QA Anggita] Files & Directory Creation"
[master (root-commit) 196e4ea] [QA Anggita] Files & Directory Creation
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Index.html
create mode 100644 Readme.txt
create mode 100644 assets/style.css
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$
```



4. Update index.html to have a tab header titled “Website for git”, and in the body to have `<h1> This is the website for git </h1>` with center aligned.

```
File Edit Selection View Go Run Terminal Help Index.html - Visual Studio Code
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
# style.css Index.html X
C: > Users > Anggita > Folder Anggita QA > Index.html > ...
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>Website for git</title>
7 </head>
8 <body style="text-align: center;">
9 | <h1>This is the website for git</h1>
10 </body>
11 </html>
12
13
```

5. Do second commit for the changes in index.html named “[UI] Update Index HTML to have tab title and body”

```
MINGW64/c:/Users/Anggita/Folder Anggita QA
Anggita@LAPTOP-JQ73EKIG MINGW64 ~
$ mkdir "Folder Anggita QA"
Anggita@LAPTOP-JQ73EKIG MINGW64 ~
$ cd "Folder Anggita QA"
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA
$ git init
Initialized empty Git repository in C:/Users/Anggita/Folder Anggita QA/.git/
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ touch Index.html Readme.txt
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ mkdir assets
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ touch assets/style.css
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git add .
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git commit -m "[QA Anggita] Files & Directory Creation"
[master (root-commit) 196e4ea] [QA Anggita] Files & Directory Creation
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Index.html
create mode 100644 Readme.txt
create mode 100644 assets/style.css
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git add Index.html
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git commit -m "[UI] Update Index HTML to have tab title and body"
[master b39b75e] [UI] Update Index HTML to have tab title and body
1 file changed, 12 insertions(+)
```

6. Updated assets/style.css to have style for class .red-color which has attribute color: “red”

```
File Edit Selection View Go Run Terminal Help style.css - Visual Studio Code
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
# style.css
C:\Users\Anggita\Folder Anggita QA\assets> # style.css > ...
1 .red-color {
2   color: red;
3 }
4
```

7. Update index.html to import assets/style.css and use class .red-color in <h1 class=“red-color”>

```
File Edit Selection View Go Run Terminal Help Index.html - Visual Studio Code
# style.css Index.html
C:\Users\Anggita\Folder Anggita QA> Index.html > ...
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Website for git</title>
7   <link rel="stylesheet" href="assets/style.css">
8 </head>
9 <body style="text-align: center;">
10   <h1 class="red-color">This is the website for git</h1>
11 </body>
12 </html>
13
14
```

8. Do third commit for the changes named “[UI] Update Index HTML and Style.css to have red color on text <h1>”

```
Anggita@LAPTOP-JQ73EKIG MINGW64 ~
$ mkdir "Folder Anggita QA"
Anggita@LAPTOP-JQ73EKIG MINGW64 ~
$ cd "Folder Anggita QA"
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA
$ git init
Initialized empty Git repository in C:/Users/Anggita/Folder Anggita QA/.git/
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ touch Index.html Readme.txt
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ mkdir assets
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ touch assets/style.css
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git add .
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git commit -m "[QA Anggita] Files & Directory Creation"
[master (root-commit) 196e4ea] [QA Anggita] Files & Directory Creation
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Index.html
create mode 100644 Readme.txt
create mode 100644 assets/style.css
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git add Index.html
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git commit -m "[UI] Update Index HTML to have tab title and body"
[master b39b75e] [UI] Update Index HTML to have tab title and body
1 file changed, 12 insertions(+), 1 deletion(-)
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git add Index.html assets/style.css
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git commit -m "[UI] Update Index HTML and Style.css to have red color on text <h1>"
[master 23202ae] [UI] Update Index HTML and Style.css to have red color on text <h1>
2 files changed, 10 insertions(+), 6 deletions(-)
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$
```

9. Do Revert on commit “[UI] Update Index HTML and Style.css to have red color on text <h1>”

```
Revert "[UI] Update Index HTML to have tab title and body"
This reverts commit b39b75ea893d2fba8a5341d3a00d310b03cefc4.
# Conflicts:
#   Index.html
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch master
# You are currently reverting commit b39b75e.
#
# Changes to be committed:
#   modified:   Index.html
```

```
# style.css
Index.html X
C:\Users\Anggita\Folder Anggita QA> Index.html > ?
Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Changes
1 <<<<<< HEAD (current change)
2 <!DOCTYPE html>
3 <html lang="en">
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Website for git</title>
8   <link rel="stylesheet" href="assets/style.css">
9 </head>
10 <body style="text-align: center;">
11   <h1 class="red-color">This is the website for git</h1>
12 </body>
13 </html>
14
15
16 >>>>>> 196e4ea... [QA Anggita] Files & Directory Creation (Incoming Change)
```

10. Create new empty file “my-note.txt” and .gitignore that exclude my-note.txt

```
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ touch my-note.txt .gitignore
```

11. Do fourth commit for changes “[Structure] Add gitignore file”

```
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master)
$ git commit -m "[Structure] Add gitignore file"
[master e0b9338] [Structure] Add gitignore file
2 files changed, 16 insertions(+)
```

12. At the end of tasks, we should have :

- a. Commits :

- i. First commit initialization
- ii. Second commit UI index.html
- iii. Third commit UI index.html and style.css (REVERTED)
- iv. Fourth commit gitignore
- b. UI :
 - i. UI should be back to have black color for <h1>

```
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder Anggita QA (master|REVERTING)
$ git log
commit 9f990e72f05fc9c306717d8a9dc1ceff7c54fdc0 (HEAD -> master)
Author: anggitaerlina <anggita.erlina93@gmail.com>
Date: Mon Jan 22 17:07:13 2024 +0700

    [UI] Update Index HTML and Style.css to have red color on text <h1>

commit dd34ba73e6e6a74227b6ba290686c7eac3d0ec70
Author: anggitaerlina <anggita.erlina93@gmail.com>
Date: Mon Jan 22 17:04:34 2024 +0700

    [UI] Ipdte Index HTML to have tab title and body

commit 7c1fc890da6b060b039555abfa8dde0c117ab4c2
Author: anggitaerlina <anggita.erlina93@gmail.com>
Date: Mon Jan 22 17:01:45 2024 +0700

    [QA Anggita] Files & Directory Creation
```

```
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/Folder ANggita QA (master)
$ git log
commit e0b93383c347b38b87b8192fc6efa29a3eb02591 (HEAD -> master)
Author: anggitaerlina <anggita.erlina93@gmail.com>
Date: Mon Jan 22 16:52:07 2024 +0700

    [Structure] Add gitignore file
```

13. START of Branching Tasks. Create a new repository, different from what you created during the learning with readme file and then commit “[Initialization] First Commit”

- a. Readme.txt.

```
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/your_repository
$ cd your_repository
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/your_repository (master)
$ echo "Your Repository" >> README.txt
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/your_repository (master)
$ git add README.txt
warning: in the working copy of 'README.txt', LF will be replaced by CRLF the next time Git touches it
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/your_repository (master)
$ git commit -m "[Initialization] First Commit"
[master (root-commit) e27c532] [Initialization] First Commit
1 file changed, 1 insertion(+)
create mode 100644 README.txt
```

14. Create a new branch “dev/your_name”, for example “dev/budi” from master

```
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/your_repository (master)
$ git checkout -b dev/anggita
Switched to a new branch 'dev/anggita'
```

15. Create empty files & directory inside the repository like this in dev branch :

- a. Index.html
- b. yourname.txt
- c. assets
- d. style.css

```

$ git add index.html anggita.txt
$ touch assets/style.css
$ git add assets
$ mkdir assets
$ git add assets/style.css
$ touch assets/style.css
$ git add index.html anggita.txt assets/style.css

```

16. Do first commit for all empty files & directory named “[Initialization] Files & Directory Creation”

```

$ git add .
$ git commit -m "[Initialization] Files & Directory Creation"
[dev/anggit:fc640b8] [Initialization] Files & Directory Creation
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Index.html
create mode 100644 anggit.txt
create mode 100644 assets/style.css

```

17. Create a new branch "bugfix/your_name", for example "bugfix/budi" from master branch

```
angita@BLAPTOP-3073KIG MINGW64 ~/your_repository (dev/angita)
$ git checkout master
Switched to branch 'master'

angita@BLAPTOP-3073KIG MINGW64 ~/your_repository (master)
$ git checkout -b bugfix/angita
Switched to a new branch 'bugfix/angita'
```

18. Create empty files inside bugfix branch and commit :

- a. my_note.txt

```
Anggit@labPTDP-3Q73EKIG MINGw64 ~/your_repository (bugfix/anggita)
$ touch my_note.txt

Anggit@labPTDP-3Q73EKIG MINGw64 ~/your_repository (bugfix/anggita)
$ git add my_note.txt

Anggit@labPTDP-3Q73EKIG MINGw64 ~/your_repository (bugfix/anggita)
$ git
```

```
git commit -m "[Initialization] Files & Directory Creation"
```

- ## 19. Merge branch dev into master branch

```
git checkout master
```

```
git merge dev/your_name
```

- ## 20. Merge branch bugfix into master branch

```

MINGW64~/c/Users/Aenggitu/your_repository
merge branch "bugfix/anggitu"
# please enter a commit message to explain why this merge is necessary,
# especially if it merges an updated upstream into a topic branch.
#
# Lines starting with '#' will be ignored, and an empty message aborts
# the commit.

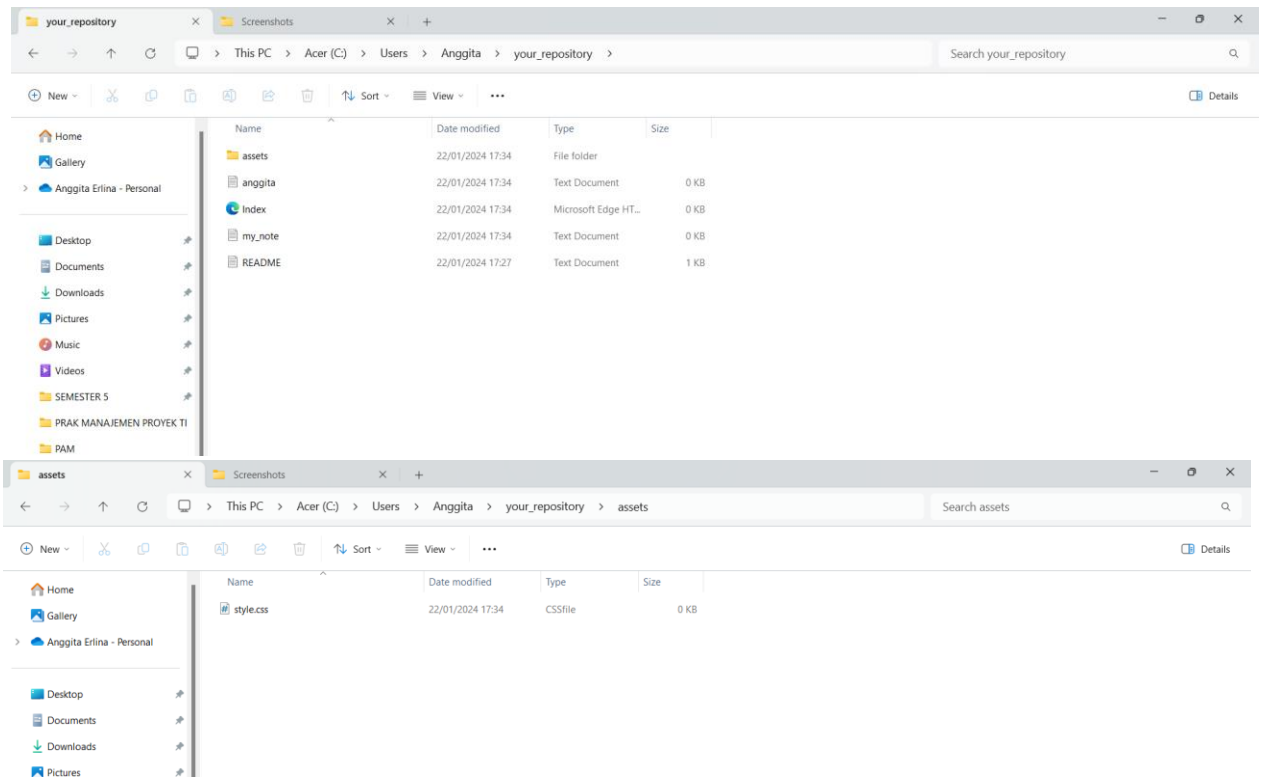
```

git/MERGE_MSG [unix] (17:34 22/01/2024)
3.1 All

~/your_repository/.git/MERGE_MSG* [unix] 6L, 256B

21. In master branch, it should have all files like this :

- a. Index.html
- b. yourname.txt
- c. Readme.txt
- d. my_note.txt
- e. assets
- f. Style.css



22. START of GITHUB Tasks. Create a new remote repository, different from what you created during the learning.

```
MINGW64~/c:/Users/Anggita/remote_repository
Anggita@LAPTOP-JQ73EKIG MINGW64 ~ (master)
$ mkdir remote_repository
Anggita@LAPTOP-JQ73EKIG MINGW64 ~ (master)
$ cd remote_repository
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/remote_repository (master)
$ git init
Initialized empty Git repository in C:/Users/Anggita/remote_repository/.git/
```

23. Connect the remote repository with your local repository.

```
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/remote_repository (master)
$ git remote add origin https://github.com/anggitaerlina/remote.git
```

24. Create local branch 'dev/your_name'


```
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/remote_repository (master)
$ git checkout -b dev/anggita
Switched to a new branch 'dev/anggita'
```

25. Push your local dev branch into remote repository

```
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/remote_repository (dev/anggita)
$ git checkout -b dev/anggita
Switched to a new branch 'dev/anggita'
```

26. In dev branch, create empty files like this :

- a. index.html
- b. readme.txt
- c. assets
- d. style.css

```
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/remote_repository (dev/anggita)
$ touch index.html readme.txt

Anggita@LAPTOP-JQ73EKIG MINGW64 ~/remote_repository (dev/anggita)
$ mkdir assets

Anggita@LAPTOP-JQ73EKIG MINGW64 ~/remote_repository (dev/anggita)
$ touch assets/style/css
touch: cannot touch 'assets/style/css': No such file or directory

Anggita@LAPTOP-JQ73EKIG MINGW64 ~/remote_repository (dev/anggita)
$ touch assets/style.css
```

27. Commit the changes with commit name “[Initialization] Creation of files”

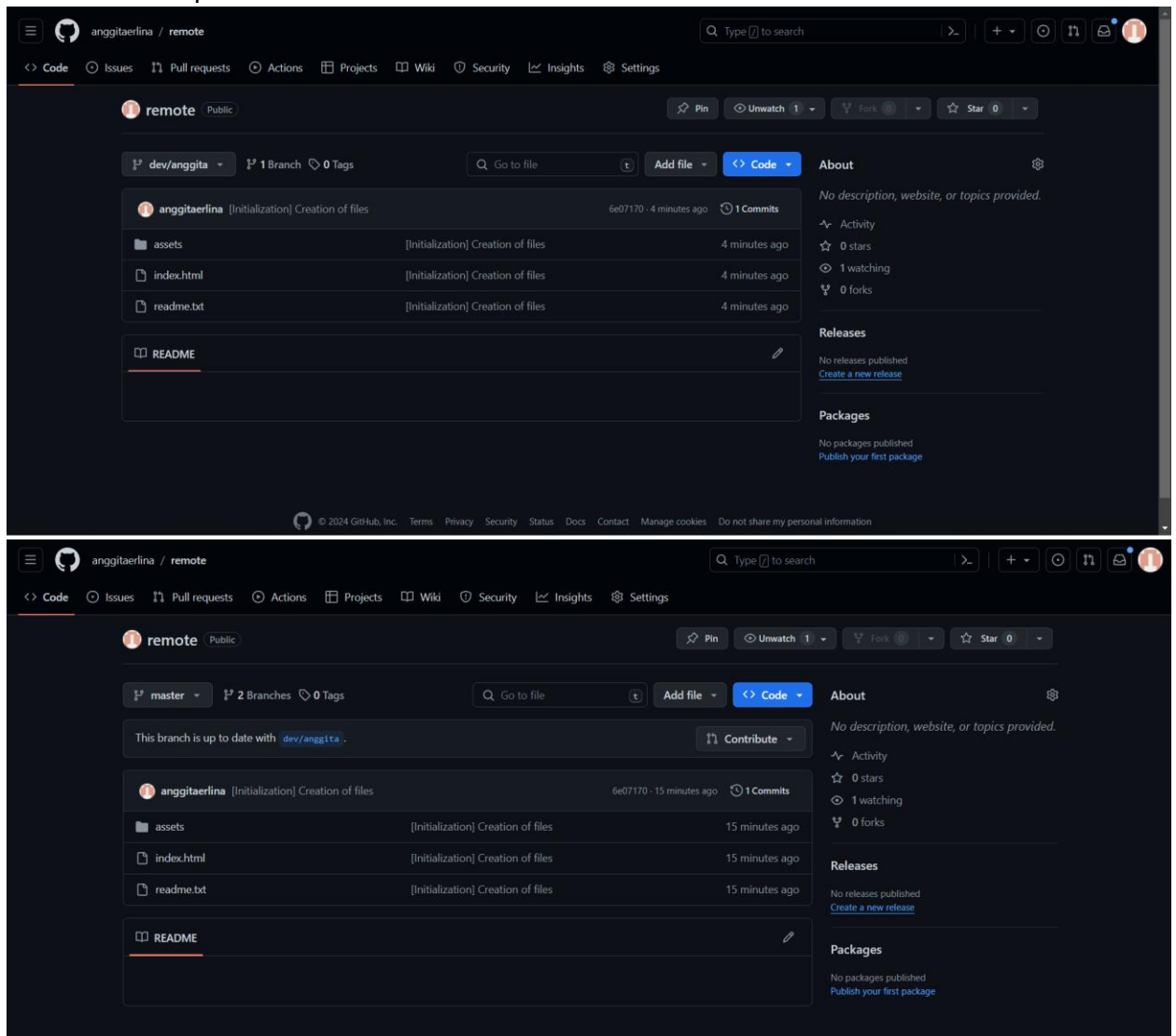
```
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/remote_repository (dev/anggita)
$ git add .

Anggita@LAPTOP-JQ73EKIG MINGW64 ~/remote_repository (dev/anggita)
$ git commit -m "[Initialization] Creation of files"
[dev/anggita (root-commit) 6e07170] [Initialization] Creation of files
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 assets/style.css
create mode 100644 index.html
create mode 100644 readme.txt
```

28. Push your local dev branch with new commits into remote repository

```
Anggita@LAPTOP-JQ73EKIG MINGW64 ~/remote_repository (dev/anggita)
$ git push -u origin dev/anggita
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 6 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 327 bytes | 327.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/anggitaerlina/remote.git
 * [new branch]      dev/anggita -> dev/anggita
branch 'dev/anggita' set up to track 'origin/dev/anggita'.
```

29. Create Pull Request in Github website from dev branch to master branch



<https://github.com/anggitaerlina>