Step-by-Step Git Commands Execution:

Initialize a Git repository:

git init

Creates a new Git repository in the folder 24MCR101.

Add a file to staging area:

git add 24MCR101.txt

Adds 24MCR001.txt to the staging area.

Commit the file:

git commit -m "First Commit"

Creates a commit with the message "Added Personal Details".

Check Git status:

git status

Shows that 24MCR101.txt has been modified but not staged.

View commit log:

git log

Displays the commit history (one commit at this point).

Add remote GitHub repository:

git remote add origin

Links the local repository to a remote GitHub repo.

Check current branch:

git branch

Shows the current branch is master.

Rename branch from master to main:

git branch -M main

Renames the current branch to main.

Set Git global config for email and username:

git config --global user.email "sivakulanthaisamy1804@gmail.com"

git config --global user.name "sivasks2004"

Sets your global Git identity.

Push code to remote repo for the first time:

git push -u origin main

Pushes the main branch to GitHub and sets upstream tracking.

```
E:\24MCR101>git commit -m 'second commit'
error: pathspec 'commit'' did not match any file(s) known to git

E:\24MCR101>git commit -m "second commit"
[main 03de707] second commit
 1 file changed, 2 insertions(+), 1 deletion(-)

E:\24MCR101>git push -u origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 311 bytes | 103.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/sivasks2004/24MCR101.git
   cf49e41..03de707  main -> main
branch 'main' set up to track 'origin/main'.
```

```
E:\24MCR101>git branch

E:\24MCR101>git log
commit cf49e418d2274d1fd3c845ae2577ad234d2be9cb (HEAD -> master)
Author: sivasks2004 <sivakulanthaisamy1804@gmail.com>
Date:   Wed Apr 23 14:50:17 2025 +0530

    first commit

E:\24MCR101>git branch -M main

E:\24MCR101>git remote add origin https://github.com/sivasks2004/24MCR101.git

E:\24MCR101>git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 273 bytes | 273.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/sivasks2004/24MCR101.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

E:\24MCR101>
```
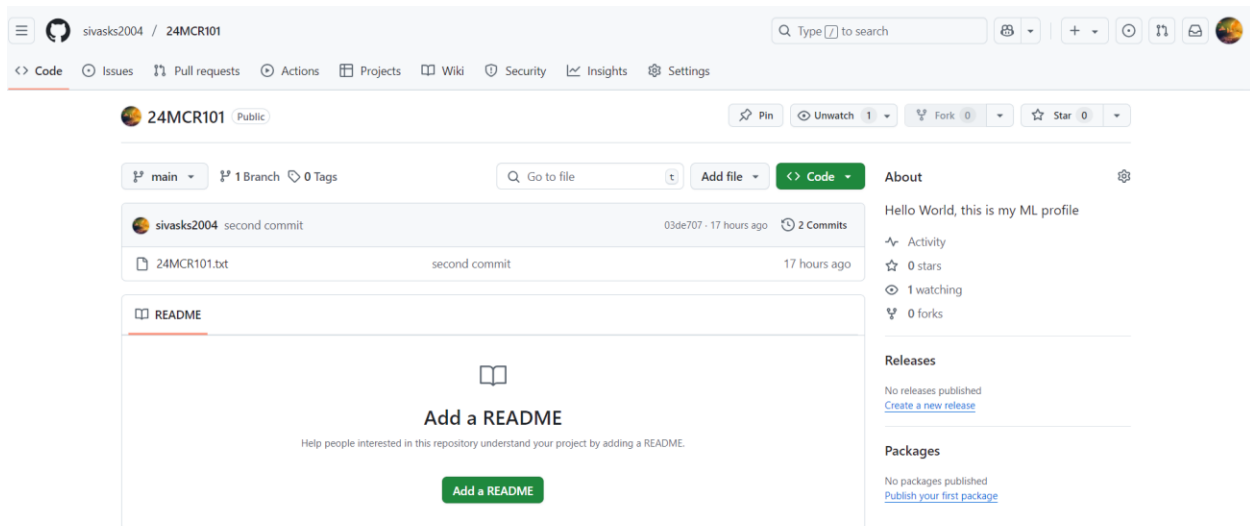

Then, Again We will Modify or add new file means we need to follow the same steps, like

git add .

git commit -m "message"

git push origin main