Step-by-Step Git Commands Execution:

Initialize a Git repository:

git init

Creates a new Git repository in the folder 24MCR116.

Add a file to staging area:

git add 24MCR116.txt

Adds 24MCR116.txt to the staging area.

Commit the file:

git commit -m "Added personal details"

Creates a commit with the message "Added personal details".

Check Git status:

git status

Shows that 24MCR116.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 https://github.com/tharunp242/24MCR116.git

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 "tharunp242@gmail.com"

git config --global user.name "tharunp242"

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.

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D:\24mcr116>git init
Initialized empty Git repository in D:/24mcr116/.git/

D:\24mcr116>git add t.txt

D:\24mcr116>git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   t.txt


D:\24mcr116>git commit -m "Added personal details"
[master (root-commit) 828b11c] Added personal details
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 t.txt

D:\24mcr116>git status
On branch master
nothing to commit, working tree clean

D:\24mcr116>git log
commit 828b11c2858da367b55a7740011aac39f0dd3a1f (HEAD -> master)
Author: tharunp242 <tharunp242@gmail.com>
Date:   Wed Apr 23 14:50:23 2025 +0530

    Added personal details

D:\24mcr116>git remote add origin https://github.com/tharunp242/24MCR116.git

D:\24mcr116>git branch -M main

D:\24mcr116>git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 211 bytes | 70.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
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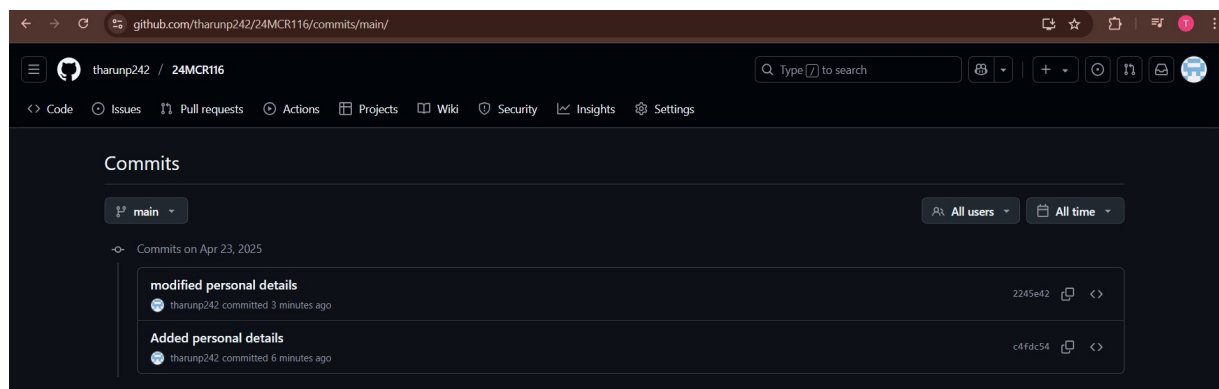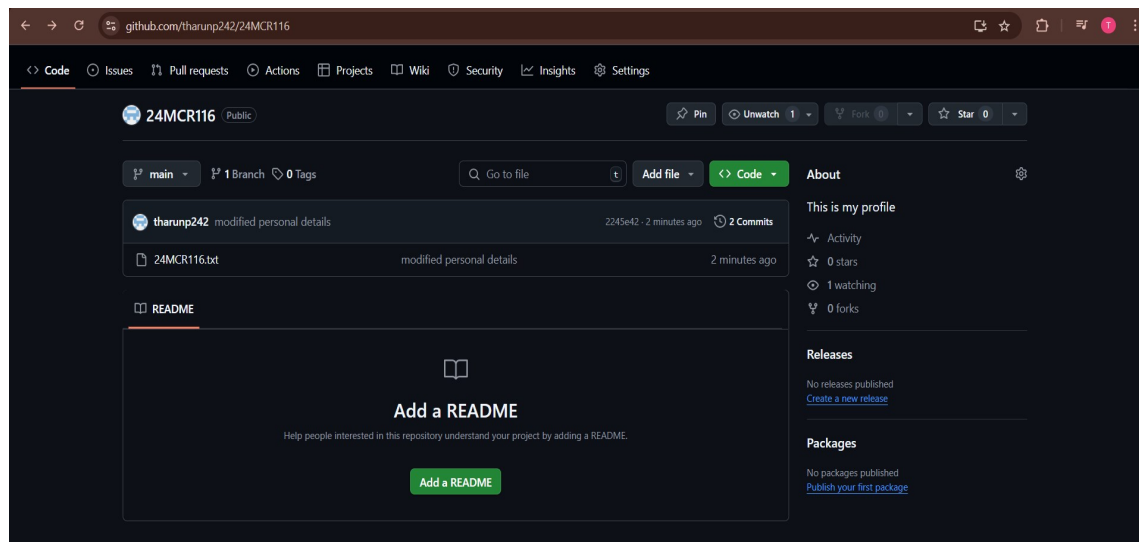
Then , Again We will Modify or add new file means we need to follow the same steps, like

git add .

git commit -m "message"

git push origin main