

KONGU ENGINEERING COLLEGE

MASTER OF COMPUTER APPLICATIONS

DAY 1

Step-by-Step Git Commands Execution:

Initialize a Git repository:

```
git init
```

Creates a new Git repository in the folder `24MCR039`.

Add a file to staging area:

```
git add 24MCR039.txt
```

Adds `24MCR039.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 `24MCR039.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/Janarthan1299/24MCR039
```

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 "janarthan1299@gmail.com "
```

```
git config --global user.name "Janarthan"
```

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.

```
Microsoft Windows [Version 10.0.22631.4890]
(c) Microsoft Corporation. All rights reserved.

E:\24MCR039>git init
Initialized empty Git repository in E:/24MCR039/.git/

E:\24MCR039>git add 24MCR039.txt

E:\24MCR039>git commit-m "Added personal details"
git: 'commit-m' is not a git command. See 'git --help'.

The most similar command is
    commit-tree

E:\24MCR039>git commit -m "Added personal details"
Author identity unknown

*** Please tell me who you are.

Run

    git config --global user.email "you@example.com"
    git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'acer@JANARTHAN.(none)')

E:\24MCR039> git config --global user.email "janarthan1299@gmail.com"

E:\24MCR039>

E:\24MCR039>git config --global user.name "Janarthan"

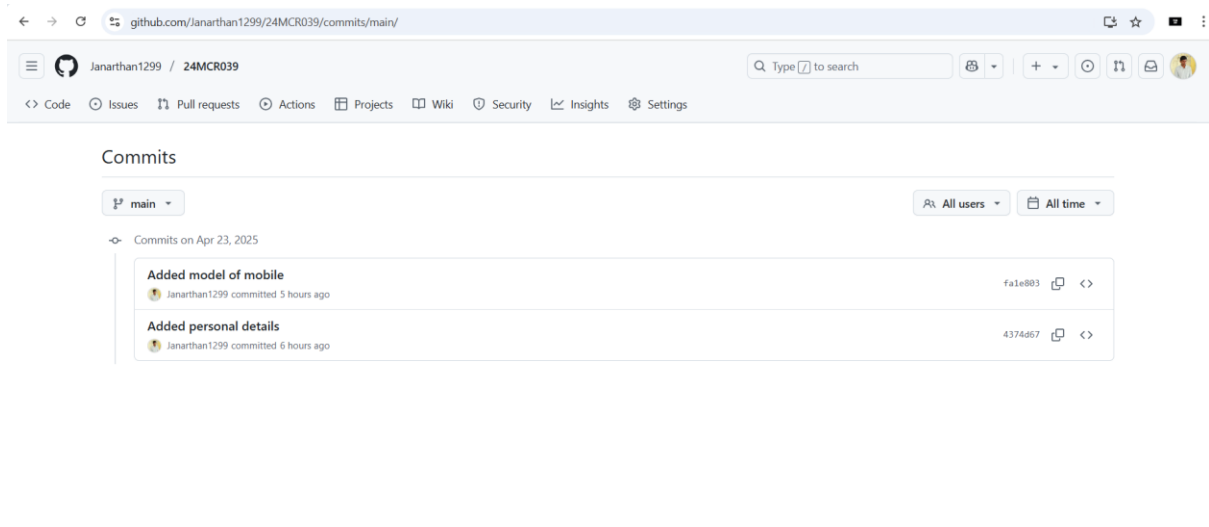
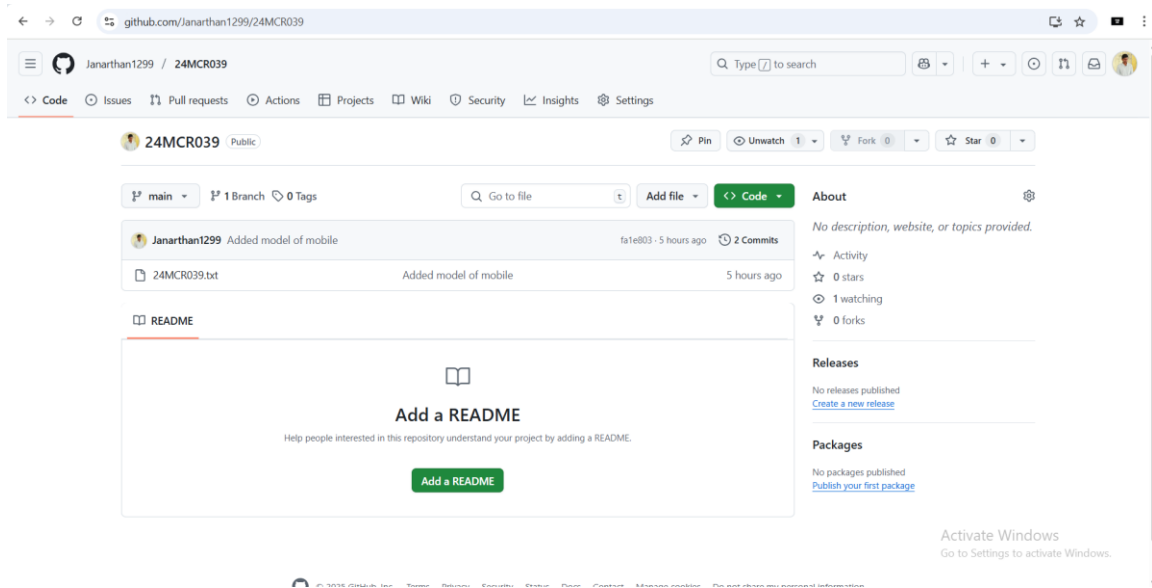
E:\24MCR039>git commit -m "Added personal details"
[master (root-commit) 4374d67] Added personal details
1 file changed, 4 insertions(+)
create mode 100644 24MCR039.txt

E:\24MCR039>git status
On branch master
nothing to commit, working tree clean

E:\24MCR039>git remote add origin https://github.com/Janarthan1299/24MCR039.git

E:\24MCR039>git branch -M main

E:\24MCR039>git push -u origin main
info: please complete authentication in your browser...
```



Then , Again if we modify or add new file means we need to follow the same steps mentioned below.

```
git add .
```

```
git commit -m "message"
```

```
git push origin main
```