

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 `24MCR027`.

Add a file to staging area:

`git add 24MCR027.txt`

Adds `24MCR027.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 `24MCR027.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/gokila0/24MCR027`

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 "gokigokin2@gmail.com"`

`git config --global user.name "gokila0"`

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.

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.26100.3476]
(c) Microsoft Corporation. All rights reserved.

C:\24MCR027>git init
Initialized empty Git repository in C:/24MCR027/.git/

C:\24MCR027>git add 24mcr027.txt

C:\24MCR027>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 'gokig@780697454512345.(none)')

C:\24MCR027> git config --global user.email "gokigokin2@gmail.com"

C:\24MCR027> git config --global user.name "gokila0"

C:\24MCR027>git commit -m "Added personal details"
[master (root-commit) ebac196] Added personal details
 1 file changed, 7 insertions(+)
 create mode 100644 24mcr027.txt

C:\24MCR027>git status
On branch master
nothing to commit, working tree clean
```

```
C:\24MCR027>git status
On branch master
nothing to commit, working tree clean

C:\24MCR027>git log
commit ebac1968e36915dd0ceec057a7c15819275de4c6 (HEAD -> master)
Author: gokila0 <gokigokin2@gmail.com>
Date:   Wed Apr 23 14:51:56 2025 +0530

    Added personal details

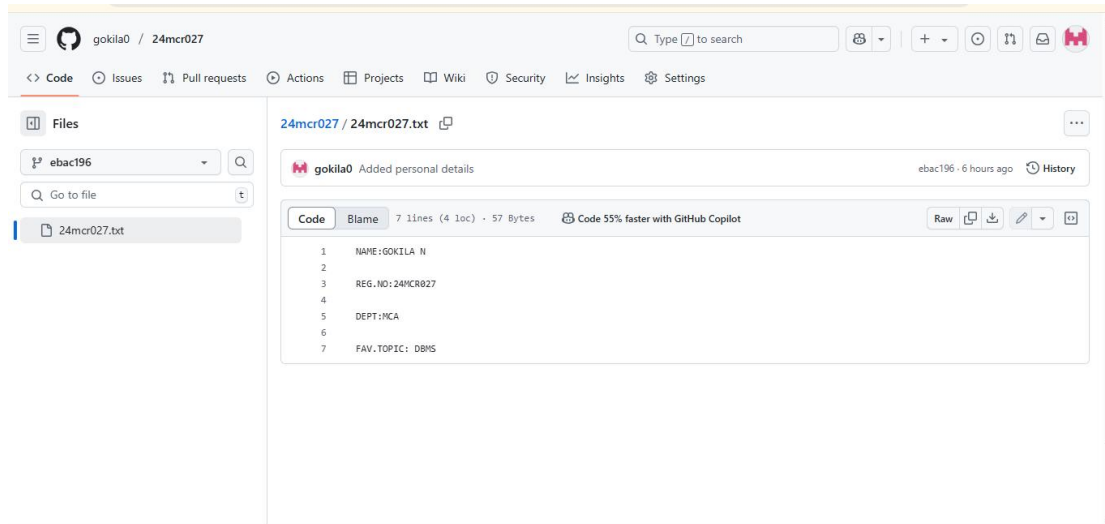
C:\24MCR027>git remote add origin https://github.com/gokila0/24mcr027.git

C:\24MCR027>git branch -M main

C:\24MCR027>git branch
* main

C:\24MCR027>
```

```
C:\24MCR027>git push -u origin main
info: please complete authentication in your browser...
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 278 bytes | 46.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/gokila0/24mcr027.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```



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

```
C:\24MCR027>git add 24mcr027.txt

C:\24MCR027>git commit -m "update personal details"
[main 8ac8de4] update personal details
 1 file changed, 7 insertions(+), 1 deletion(-)

C:\24MCR027>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), 347 bytes | 115.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/gokila0/24mcr027.git
 237f651..8ac8de4  main -> main
branch 'main' set up to track 'origin/main'.
```

github.com/gokila0/24mcr027/blob/237f65176f8bb72621e92653db8caea1402c5ece/24mcr027.txt

gokila0 / 24mcr027

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Files

237f651

Go to file

24mcr027.txt

24mcr027 / 24mcr027.txt

gokila0 updated Added personal details237f651 · 6 hours agoHistory

CodeBlame8 lines (5 loc) · 82 BytesCode 55% faster with GitHub CopilotRawDownloadEditView

1NAME:GOKILA N

2

3REG.NO:24MCR027

4

5DEPT:MCA

6

7FAV.TOPIC: DBMS

8mobile number 7806974545