[GIT]

Git is a most popular Version Controll system

[GitHub]

Website that allowed to store and manage there Code using GIT

1) After intallation GitHub set username and email in terminal

C:\. git Config --global user.name "Imran"

C:\. git Config --global user.email "Imran81928512774@gmail.Com"

Clone & status

Clone :- Cloning a repository on our local machine.

Commond- git Clone <- some link ->

status :- display the status of code

Commond -> git status

git read 4 type file

1) untracked (U)
2) modify (M)
3) Staged ÷ file is ready to be Commit
4) - unchanged

• add and Commit

Command → git add <- file name ->

Add All file

Command → git add .

Commite

Command → git commit -m "any message"

push Command

push → upload local repo file to remote repo

Command → git push origin main

[Init Command]

Init → used to create a new git repo
Command → git init

Before push local to remote run
Command → git remote add origin <Link>

check remote repository
Command → git remote -v

[check branch]
Command → git branch

[Rename branch]

Command → git branch -M (branch-name)

to navigate branch
Command → git checkout (branch name)

to create new branch
Command → git checkout -b (new branch name)

Delete branch
Command → git branch -d (branch name)

[merging code to branch]

Way-1

Command → git diff <branch-name>

this is comparing command

[merge command]

Command → git merge <- branch-name>

[pull command]

used to fetch and download content from a ~~content~~ remote repo and immediately update the local repo to match that content

Command → git pull origin main

[undoing changes]

1) staged changes

Command → git reset <- file name->

cmd-2 git reset

2)- for many commits change

Command → git reset <- commit hash>

2) git reset --hard <- commit hash>