GIT COMMANDS

# Clone & status

* Clone :- Cloning a repository on our local machine.

**git clone <-some link->**

* Status :- Displays the state of the code.

**git status**

# for files & folders

* To change the directory :-

**cd <-directory name->**

* To come out from the current directory :-

**cd ..**

* To make new directory :-

**mkdir <-directory name->**

* To view the files in the current directory

**ls**

* To view the hidden files in the current directory

**ls -a**

# add & commit

* Add :- Adds new or changed files in your working directory to the git staging area.

**git add <-file name->**

**git add .** (Add all files)

* Commit :- It is the record of change.

**git commit -m “Some Message”**

# Push command

* Push :- Upload local repo content to remote repo.

**git push origin main**

# init command

* Init :- Used to create a new git repo.

**git init**

**git remote add origin <-link->**

**git remote -v** (To verify remote)

# branch commands

**git branch** (To check branch)

**git branch -M main** (To rename branch)

**git checkout <-branch name->** (To navigate)

**git checkout -b <-new branch name->** (To create new branch)

**git branch -d <-branch name->** (To delete branch)

# Merging code

**git diff <-branch name->** (To compare commits, branches, files & more)

**git merge <-branch name->** (To merge 2 branches)

# Pull command

* Used to fetch and download content from a remote repo and immediately update the local repo to match that content.

**git pull origin main**

# undoing changes

* Case 1 :- Staged changes.

**git reset <-file name->**

**git reset**

* Case 2 :- Committed changes (For one commit).

**git reset HEAD~1**

* Case 3 :- Committed changes (For many commit).

**git reset <-commit hash->**

**git reset --hard <-commit hash->**

**git log** (To check all commits)