# **--Git Commands--**

## **A. Config Git**

- git config --global user.name "my\_name"

- git config --global user.email "my\_email"

- git config --list

## **B. Clone & Status**

- git clone <url>

- git init (initialize git repo)

- git remote add origin <url>

- git remote -v (to verify remote)

- git status (displays the state of the code)

- git status -sb (show status concisely)

## **C. Add & Commit**

- git add <file name>

- git add . (add all files)

- git add -A (add all files)

- git commit -m "your message"

- git commit (create a commit and open editor)

- git log (shows all commit history)

## **D. Git Push Command**

- git push origin main

- git push -u origin main

- git push -f origin main (forcefully rewrite the repo)

## **E. Git Branch**

- git branch (to check branch)

- git branch <branch name> (to create a new branch)

- git branch -M <newname> (Rename master Branch to main)

- git branch -m <old-branch-name> <new-branch-name> (Rename branch)

- git checkout <branch name> (to navigate)

- git checkout -b <branch name> (to create new branch and navigate into it)

- git branch -d <branch name> (to delete a branch only if its merged)

- git branch -D <branch name> (to delete a branch even its not merged)

## **F. Merging code**

--------way1--------

- git diff <branch name> (to compare commits, branches, files and more)

- git merge <branch name> (to merge 2 branches)

--------awy2--------

- create a pull request in gihtub

## **G. Pull Command**

- git pull origin main (used to fetch and download content from a remote repo and immediately update the local repo to match that content.)

## **H. Undoing Changes**

---------case1--------

- git reset <file name>

- git reset

---------case2--------

- git reset HEAD~1

---------case3--------

- git reset <commit hash>

- git reset --hard <commit hash>