

--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)

-----way2-----

- 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>

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