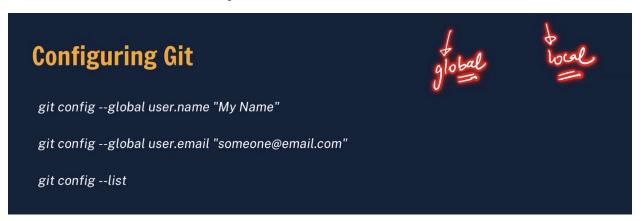
• Git is version control system



- Global user will be use to make changes in any repo of account
- Local user will be use to make changes to specific repo
- To copy git on your local laptop use: clone command



- File which is added and ready to commit is staged file
- git add filename: add specific file
- git add .: adds all files
- git commit -m "message" : commit command format

```
Init Command

init - used to create a new git repo

git init

git remote add origin <- link ->

git remote -v (to verify remote)

git branch (to check branch)

git branch -M main (to rename branch)

git push origin main
```

- Git init: to initialize git
- Git remote add origin <link>: to set the default repo on which you will be working
- Default branch on repo is main(newly used by github)/master
- If you are continuously making changes on specific branch you can fix the same branch using command: git push -u origin main/branchname (u : upstream) after this you can use only git push

```
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)
```



Ex: you are on feature1 branch and want to compare this branch with main then run command: git diff main

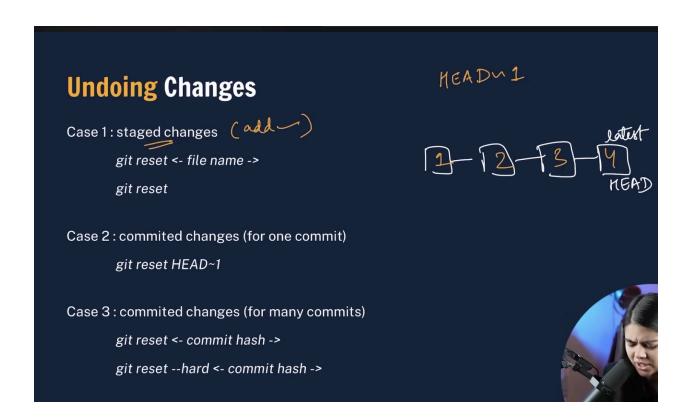
Same for merge: git merge main

Merging can be done by PR(Pull request)

## **Pull Command**

git pull origin main

used to fetch and <u>download</u> content from a remote repo and immediately update the local repo to match that content.



Hard to reset from both vscode and git

## **Fork**

A fork is a new repository that shares code and visibility settings with the original "upstream" repository.

Fork is a rough copy.