**Fetching and pulling**

Git fetch and git pull ye 2 aesi commands hein jo repository remote wali se changes pull down krne k kaam ati hein.

Ap collaborators k sath kaam kr rhy ho or repository me changes aye hein to kese hum wo changes hasil kr skty hein.

Hmari repository ke collaborators ho skty hein jo hmari repo clone kr k usme changes kriengy is k liye cloning a repo or remotes ko closely dekhna pryga.

**Closer Look at Cloning:**

Jb hum clone krty hein repo to whn jo b branch reference hota hy wo aa jata hy jisko hum move kr skty hein lekin aik origin/master b likha hota hy ye remote tracking branch hoti hy.

* Git branch -r : ye command bta deti hy hum remote branches mese kon c branch pr hein.
* Git checkout origin/main : is se ap ye pta lga skty ho k first time apne jb clone kia tha to apka project kesa dikh raha tha. Like last time jb apne github se communicate kia tha.

**Working with Remote Branches:**

Suppose mny repo clone ki to agr us repo me aik se zyada branches hein to wo saari ni miliengi mjhy locally mjhy mily gi bs main branch.

* Git branch -r : ye likhne se apko sari branches to dikh jiengi lekin wo auto connected ni main/master auto connected hoti hy is liye git branch me srf wo aa ri baki ni aa ri.
* Thanks to new git command jo hy git switch is command ka use kr k agr ap new branch bnao same name se to ye apko auto connect kr degi apki remote branch se.
* Purana trika tha git checkout –track remote/branch

**Git Fetch & Git Pull:**

For example ap ne clone ki repo or apne changes krne shuru kiye new commit kia lekin meanwhile kisi or ny b clone kit hi os usne github pr changes push b kr diye ab wo sari changes apke pass ni hein aap unko kese get kr skty ho yhn game ati hy git fetch or git pull ki

Workspace: Git add 🡪 Staging : git commit 🡪 Local repo (.git wala folder update) : git push 🡪 remote repository par.

Git fetch or git pull backwards ati hein

Local repo 🡨 git fetch

Workspace 🡨 git pull

Git fetch download krta hy changes ko lekin apki workspace ko ni touch krta.

* Gir fetch <remote> : sari changes download krne k liye
* Git fetch <remote> <branch> : specific branch se changes download krne k liye.

**Git Pull:**

Pull HEAD branch ko update kr deti hy fetch ni krti.

Git pull = git fetch + git merge

Extra:

Jb bhi changes kr k add or commit krien tab aik dfa pull kr k dekhien changes to ni aai hui taa k conflicts se deal kr skien.

* Git pull origin master or just git pull