Making life Easier (Git Basics)

Commands

Clone a new repo / branch

1) git clone <repo link(http)>
2) `git clone -b <branch> <remote_repo>`

If an existing repository and not a new clone always execute the below to get all changes to local system

1) git pull

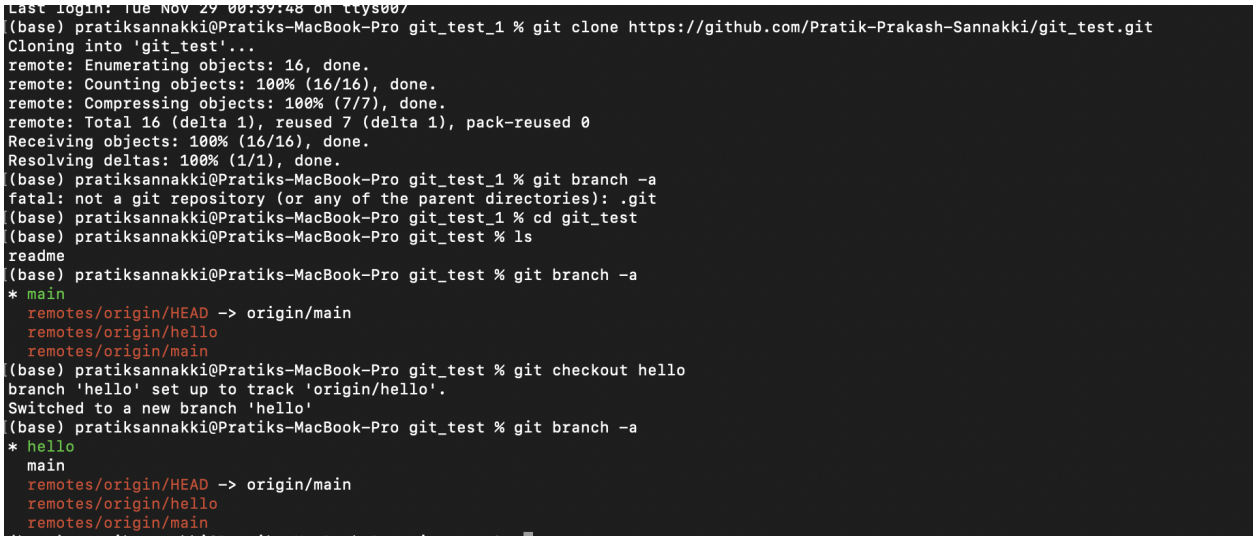
Check all the active branch in your repository

1) git branch -a

Below Hello and main are local branches and the rest in **red** are remote (which we r not supposed to use)

```
(base) pratiksannakki@Pratiks-MacBook-Pro git_test % git branch -a
* hello
  main
  remotes/origin/HEAD -> origin/main
  remotes/origin/hello
  remotes/origin/main
(base) pratiksannakki@Pratiks-MacBook-Pro git_test %
```

Note - On Mac as soon as you clone the repo you don't see other local branches apart from main (even with git fetch). Just git checkout <branch name only (eg. hello)> it will auto create.



Updating current branch and pushing changes to main

1) git add . //adds changes
2) git commit -a -m “<add a message here>” //adds a tag msg associated to changes
3) git status //to check if changes being made
4) git push //pushes your changes to current branch

Note - Now in UI create a pull request and merge the request (also check the commit by clicking on them if the changes have gone in)

Updating local branch with changes from main

1) git checkout main //switch to main branch
2) git pull //pulls changes from remote main to local main
3) git checkout <local branch name> //switches to local branch
4) git rebase main //takes changes from local main n adds it to current local branch

Note- if issues come up in push and pull append it with -f to force pull and push