GIT 2.37.1

Commands

* First command

$ git status …belongs to working area and staging area

* If we want to build a directory as git repository

$ git init

* If we want to put all the files. working area 🡪 Staging area

$ git add .

* If we want to stage specific file only. working area 🡪 Staging area

$ git add <filename>

* If we want to put all the files. Staging area 🡪 local repo

$ git commit -m “commit-message”

Snapshot is ready for this commit.

* If we want to check all commits

$ git log

$ git log –grep “ -- ”

* If we want to check all commits in oneline

$ git log --oneline

* To show the committed contains (which changes has committed)

$ git show <commit ID>

* Direct commit the track files by skipping the stage area.

$ git commit -a –m “commit-message” working area 🡪 local repo

* Compare the working directory with staging area.

$ git diff

* Compare the previous commits with present stage

$ git diff -staged

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* How to add name in git for better tracking.

$ git config --global user.name “Rahil”

* How to check user name

$ git config user.name

Rahil

* How to add email in git for better tracking.

$ git config --global user.email “[mirza.rahil9158@gmail.com](mailto:mirza.rahil9158@gmail.com)”

* How to check email

$ git config user.email

[mirzarahil9158@gmail.com](mailto:mirzarahil9158@gmail.com)

* git config list

$ git config --list

Rahil

[mirzarahil9158@gmail.com](mailto:mirzarahil9158@gmail.com)

* If we want untrack the file completely not deleted.

$ git rm --cached filename

With this command file will be untrack completely. If we will change anything it will not be track.

* In order to delete any file in git itself.

$ git rm –rf filename

* If we want to delete git repository

$ rm -rf .git

Push, Pull and remote repo connection

* connect git local repo to central repo.

$ git remote add origin <central repo url >

* push to central repo

$ git push -u origin master

Enter username and password of github

* pull from central repo

$ git pull -u origin master

Enter username and password of github

GIT Branch

* List all available git branch

$ git branch

* Create new branch

$ git branch branch-name

* Change to another branch

$ git checkout branch-name

* Delete branch

$ git branch -d branch-name

* Merge Branch

$ git merge branch-name

Apply tag to commit ID

* Apply tag

$ git tag –a <tag-name> -m <general massage> <commit ID>

* To see list of tag

$ git tag

* To check the content

$ git show<tag –name>

* To delete a tag

$ git tag -d <tag-name>

GIT Clone

* To cloning the github repo

$ git clone <url of github repo>

After cloning, a complete local repo will be create with same name as in the GIT HUB.

* In order to rename any file in git itself.

$ git mv \_\_filename \_\_new filename

With this command file will go direct to staging area.

* To remove untrack files

$ git clean -n dry run

$ git clean -f forcefully