



→ Provides total development freedom

→ Git is a version control tool.

→ Github is a platform which hosts git repository.

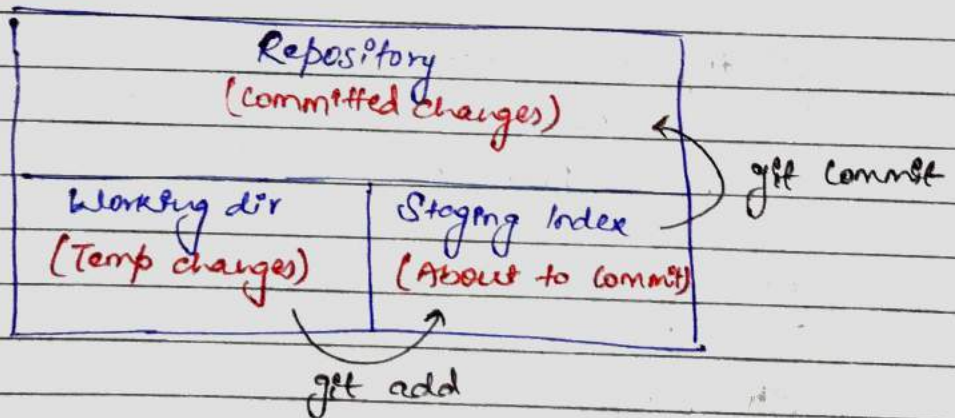
(Eg: Youtube for videos)

Repository → Folder with an additional capability.

↓
Having git keeping track of all the changes in the files of that folder.

"ls -al" is equivalent to "dir /a /l"

Git Repos



git add . → To add all changed files

git commit -m "-----message-----"

git restore file-name → To restore latest commit



`gitignore` → A file which contains a list of all files needed to be ignored.

BRANCHING COMMANDS

`git branch` → List all the branches

`git branch branch-name` → Create a new branch

`git checkout branch-name` → Switch branches

`git branch -d branch-name` → Delete branch

`git checkout -b branch-name` → Create & switch branch

`git merge branch-name`

`git tag -a tag-name commit-id -m "message"`

↳ Adds a tag-name with that particular commit.

`git tag -d tag-name` → Deletes tag.

`git stash` → Sends code to stash area

`git stash list` → Gives the list of stash area

`git stash apply` → Applying code from stash area to original code.



git push -u origin master → pushing commits to the repository's remote server.

UNDO COMMANDS

git revert commit-id → Reverts the commit

git reset --soft target-commit-id → Deletes all commits till given ID.



- soft → changes will be shown as staged
- mixed → changes will be kept showing as modifications
- hard → Discards local changes

git commit --amend → Amend / Edit latest commit.