Version Control

25/12/23

Date :

Page : 01

→ Provides total development freedom

→ Git is a version control tool.

→ Github is a platform which hosts git repository.

[Eg: Youtube for videos]

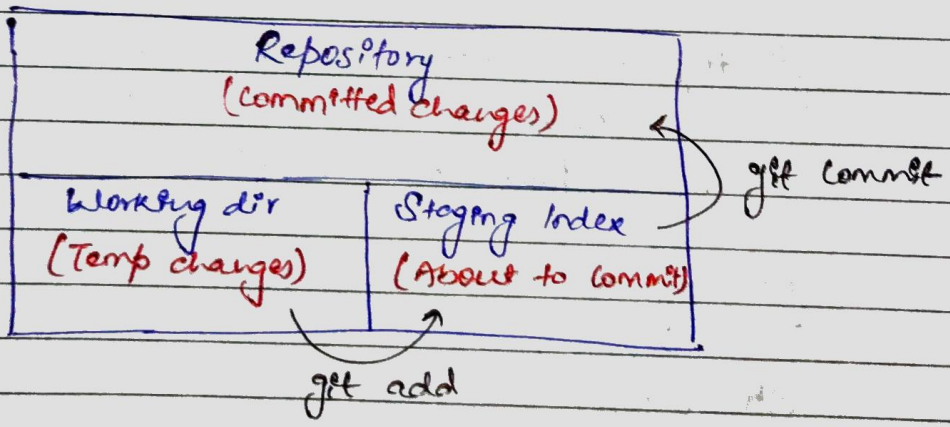
Repository → Folder with an additional capability.

↓

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

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

Git Repo:



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 → Delets 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 kept showing as modifications
--hard → Discards local changes

git commit --ammed → Ammend / Edit latest commit.