**GITHUB**

**GitHub:**

GitHub is a free and open source version control system used for source code management, tracking the changes in the source code. It allows to developers to work together.

Features:

**Build code**: Developers can use GitHub to write a code, track changes.

**Share work**: we can showcase the and let others review it

**Collaborate**: Multiple people can work on a same project simultaneously without worrying about conflicting work.

**Git:**

Git is command line interface toll used to interact or manage the remote repositories from local

**Git Branch:**

Branches used for parallel development for two or group of people work on same piece later we can integrate by merging.

git init initialize the git on local on first time

git branch <branch\_name> used to create branch

git branch list the branches / can show current branch

git checkout <branch\_name> used to switch between the branches

git branch -b <branch\_name> create new branch and switch to same branch

**Git clone:**

Used to bring the remote repository to the local for the first time, or copying the remote repo to local.

git clone <repo url>

**Git add:**

Adding the file to staging area. It moves the file from workspace to staging.

git add . or git add <file\_name>

**Git Commit:**

Git commit will move files from staging area to git repository ( can give message about the changes)

Git commit -m “message”

**Git Push:**

Used to push the changes from local repo to remote repo.

git push origin <branch-name>