**GIT COMMANDS:**

Github is version control system where it stores each and every data about changes in the form of snapshots.

And it also others to review our code and make changes to the code.

When the owner accepts the changes, the owner can merge the changes into the main branch.

Only the master file will be in the master or main branch.

When we make any changes to the file it will be in other branch.

Once we verify, commit and merge the changes it will be reflected in the main branch .

**To upload the code into the remote repository:**

🡪First create repository in the github.

🡪then create a folder in the local where we want to clone our repository.

🡪to clone our remote repository to local. Use the below command

**-git clone <link of the repository which we need to clone>**

🡪To create a new branch in the repository we can use the below command

**-git branch <new branch name>**

**-git branch** to list the branches in the repository

-**git branch –a** to list all local and remote branches

**-git branch –r** to fetch all remote branches

🡪 to move from one branch to another we can use the below command

**-git checkout <the sparticular branch name>**

🡪To add the files into the remote repository .

First we have to add the required file into the created clone folder. Once after adding the file we have to add the changes and commit the changes into the remote repository.

🡪To add the files into the staging area we can use the below commands.

**-git add <single file name>**

**-git add –A** 🡪 to add all the files in the cloned repo to move that into stage

🡪 To move the file from staging area we can use the below commands to commit the changes

**-git commit –m<any message>**

🡪To push the commited file into the remote we can use the below commands.

**-git push**

🡪To fetch all the changes from the repository use the below command to check whether the branch is up to date or not

**-git fetch**

🡪After fetching the changes updates from the remote if we want to merge it with the main branch we can use the below command

**-git merge**

🡪instead of using git fetch and merge we can use the pull command directly it will automatically fetch and merges with the local repository

**-git pull**