

GIT AND GITHUB

What is GITHUB?

It's basically a website that allows developers to store and manage their code by using git.

What are the benefits of Github?

- 1.history tracking
- 2.collaboration
- 3.Branching and merging

What is Git?

version control system is a tool that helps to track changes in code.

1.COMMANDS OF GIT:

git config --global user.name "name":set your name globally.

git config --global user.email "email": set your email globally.

git checkout -b "branch name": to make a new branch.

git branch -d "branch name" : to delete the branch.

git commit -am "changes": to commit the changes that u have done.

git branch: to check currently in which branch.

git status: to check the status.

git add .: add the file.

git add -A: add all the files.

git log: display the entire commit history.

Ls: to see how many files are present.

git init: initialize a new git repository in the current directory.

git clone <repository_url>: this clone a repository from a remote sever to your local machine.

git pull: it will show that file is update.

git fetch: this will show what updated.

Git add -all: adds all the modified files and new files to the staging area.

git remote -v: it will give information about that repository from where it fetch and where to push.

git push origin(url) "branch name": pushing or uploading the branch .

mkdir: to make folder/ directory.

dir:to check in which directory we are.

Cd full form: change directory.

Steps to make a pull request:

Step1:make a folder first.

Step2:then go on github website if you are fist time visiting someone's account and wanna work on his/her

project then fork it (basically copy it's url) that will come in your github account so for next time you wanna change something then simply just click on code and copy it.

Step3:to copy that repository locally in your machine so that we can make changes we use a command “git clone <repository_url>”.we are cloning in our folder.

Step4:to go inside the file of that repository where we wanna make changes. And one more thing that repository may contains lots of files but we wanna go on some specific file we use a command”cd /file name/ then press enter.

To see the updates we use a command “git pull” this will only show that there this is updated but by using this command “git fetch” we can see what are the changes or updates.

Step5: Now, we will make a branch (git branch -m “branch name”). we are making this branch because if we are changing in our main branch that will become complex for us to change next time. So, if we wanna change something next time then we can easily go in that branch and make a change.

Step6: Now, we will make a changes in that file whatever we wanna change.

Step7:then add that file in that branch by using a command “git add .”

Step8:Now, we can check status by using a command”git status”.

Step9:Now,we will commit what we have changed by using a command”git commit -am “what you have changed””.

Step10:to see whare to push use a command”git remote -v”it will show all information from where to fetch where to push.

Step11:now we use another command “git push origin(url) branch name”.

Step12:go on github website click on create a pull request.

