1/2/25

T2

Git and Git hub

Git:

It a version control used to track a code . It is easy to use and simple to learn

Git hub:

It is used to store and manage the code . It is a cloud based

How to use git

1. Install git-bash.(go to git scm download in any browser and install git-bash.)
2. Install vscode or by writing cmd or writing in git-bash . We will be using vscode

How the git hub work

At first we write the code in vscode and we send it to the git hub then there is local-repo in between the two of then.

The code will go to the local-repo first and the after the changes it go to the git hub.

In the local-repo there is two types 1.un-tracked files( un-stage files) and 2.tracked files(stage files)

For 1 we have the operations like create,update,delete.

For converting the untracked files to tacked file we use the following commands

Command are

1. Git add file-name or git add .
2. Git commit –m “message”

If we want to move the all the files into the git hub we take the cloud/repo path and push the files into the git hub

The commands for the path is

Git remote add origin http-path

The command to push all the files to local to the git hub is

Git push –u origin main/master (it send the files in one bit at a time )

Upstream:

U is nothing but the upstream. It means pushing or uploading all files from local-repo to the git hub/cloud repo byte by byte.

**Steps for connecting to the github :**

step1:- create a git-hub account

step2:- create repo inn a git-hub

step3:-open vs code and open teminal in vscode

syep4:-inti git in a local repo(commands: git init)

step5:-configure user and email to local-repo (commands : git config --global user.name ""

git config --global user.email "")

step6:- add remote/cloud repo to local repo(command: git remote add origin http-path)

step7:-git pull origin branc-name(main)

step8:- covert untracked file to tracked file(commands: git add .

git commit -m "message")

step9:-check status (command: git status)

step10:-push to cloud repo(command : git push -u origin master(branch-main))