GIT AND GITHUB

Git (version worked system) -> It tracks the history of changes as people and team willahorated on project together. Any version of the wat can recover onytime.

is which, who, when, why changes were made

Cithub -> It is a web platform :
which is used to manage
the projects. All the features of
git were there in github.

Git Commands

- pwd :- It shows the wrent path of the terminal.
- · Cd (change Directory): it is used to change the path of the terminal.
- · Ls :- It list down all the files and directory in the folder.
- · mbdlr < folder name > ! It is used to make directory in the folder.
- o Ls -al 1 It will show all the hidden files and directory wahich was previously not shown by normal Ls command.
- git status !- it shows the status of changes as untracked modified or staged.
- git init: It make a brand new git respository by simply converting a normal folder into git repo. It adds hidden (.git) file which stores all the meta data of git repo.
- clear :- It is used to clear the terminal.
- · cd. ! It is used to move backupard to previous folder.
- e git done <address> < new folder name): By this we can done a git repository of anyone and save that git repo to our local marriae,

Ex - git clone 44ps: 11 github. wom 1 mm nx 110 Tanish new addrew / Link new folder name.

- * If I so any file changes then run git status then it will display all the liter in which the changes were made.
- * If I want to see the changes then I can use git diff
 - gif diff ! . If will display all the changes at once. Fredone old water

ex 3 git diff or git diff index. html.

It organ changes of an oralicular file.

of an oralicular file.

• git add in Before committing file you have to stage the change. So git add helps us to stage the changes. - new Rile -> add file to track Ex - git add <file_name> Lyold file -> staging index OR to add particular Rice. sit add -- all To add all the file. • git commit ! - It saves the snapshot of project history and completes the change tracking proceu. git commit -m " message " * If you want to see all the changes history of the git repo. · git log ! - It will display all the commits. (9,) git log -3 git log git log -3 -p. 01 It display all It display last It display the changes the wimmits. 3 commits. of last 3 commits, git log -- oneline git log -- stat It will display all the file It only display the wmmit name in which the changes were made. ID and commit meg unly. git show / Lummit id > It will show the changes in a particular id. * If you want to restore the wide to previous version. but the wide was restore before womiting it. then, git restore <file-name>:-It will restore the wolf the to older version, if you want to ignore any type of file. (ike dock, lxt, ...etc. Then simply create a file name (gitignore) And in gitignore file

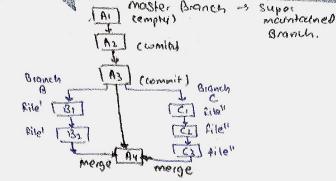
- But the wall can restore if the before commity
- By this all the .txt files in the folder were not *. txt . were the part of commits. documents.txt Tanish . txt

· gitignore that X.txt

* txt To ignore all the tet files.

Tanish. txt Po ignore a epecific file

After that you have to add and commit the egitignore file also



Branch.

git branch - It shows the branch on which we are currently in.

Branching -

- git branch (branch-name) -> By this we can create a new branch.
- · git checkout Ebranch name > By this we can switch the Branch.
- * In different branches you have to do commit and add things also.
- * After the feature was developed on the branch. Then merge the branch.
- · git merge stomanch-name): By this we can merge the branch with the master branch. But the clitch was that if you want to merge 'Branch B' with master branch then the terminal be on the master branch and then run the rommand. "git merge Branch B".
- * git branch -d <branch-name>: It is used to delete the branch when the branch is not longer needed or after merging the branch with master.
- & if wonflict was there after adding them simply solve in the master branch and add and wmmit the master branch.

TAGGING => It is moving use for tagging the bete.

- · git tag -a <name > <lastest master 10> -m "<message>" betrav1.0 d285ael285ed... my beta Releane.
- By this command we can tag the any commit.
- · git tag -d Kname > : - By this so we can remove the tag name. betaV1.0