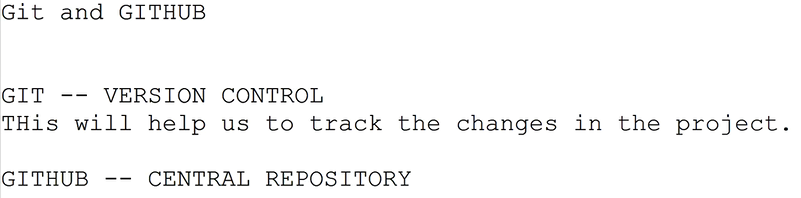
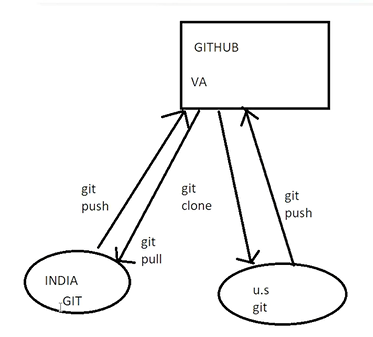
**GIT**

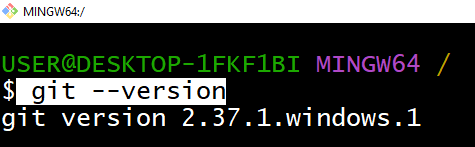


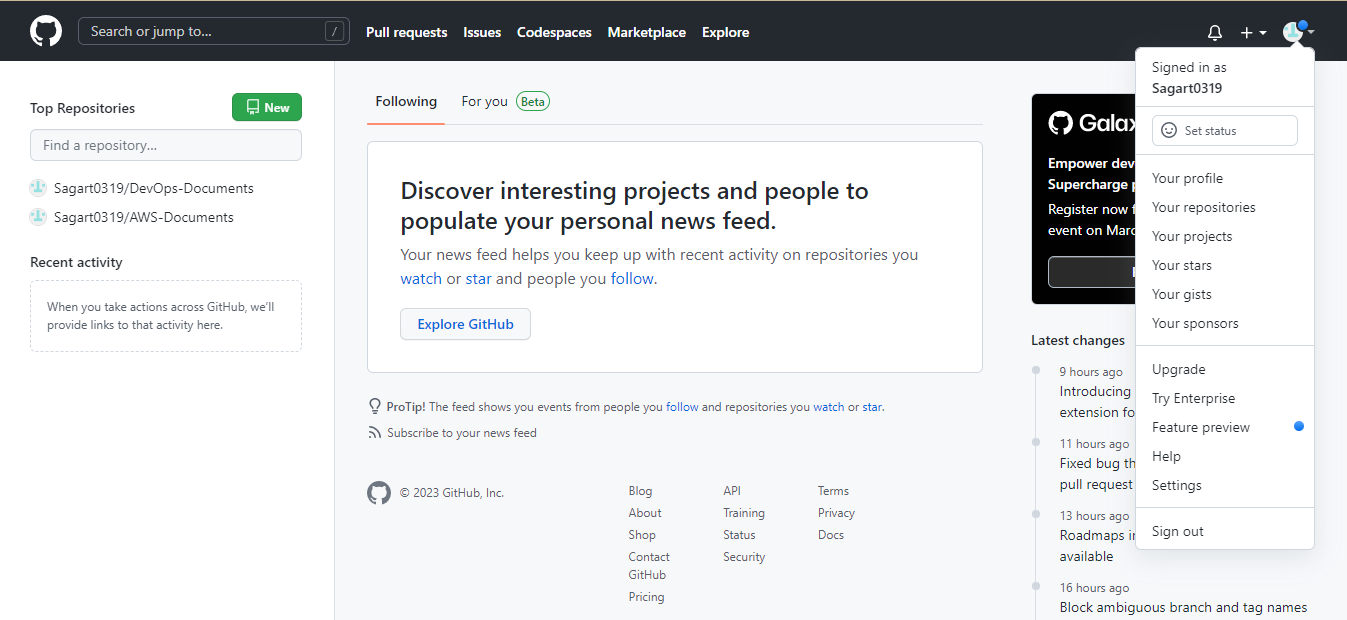


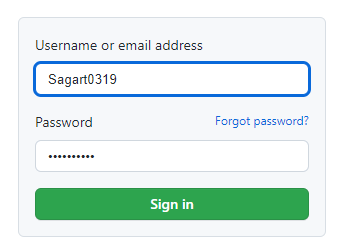
When we install Gitbash then git is also installed (Window)

\*git –version

To check the version of the git

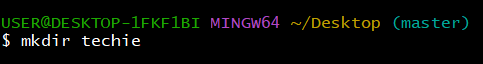
****

****

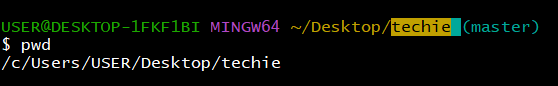
****

Git like similar tools

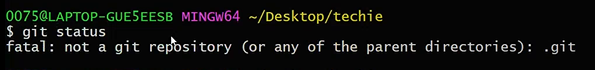
**SVN (Subversion), Bitbucket, Perforce, and Mercurial**

* Azure DevOps Server.
* Helix Core.
* AWS CodeCommit.
* Subversion.
* Rational ClearCase.
* Plastic SCM.
* Mercurial.
* Micro Focus AccuRev.
* 
* 

Techie folder is the project

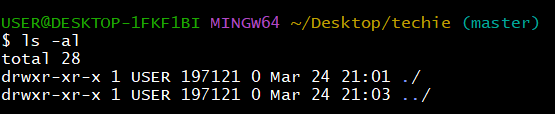
* 
* Before git initialise (git init) / shown below like this

\*git status

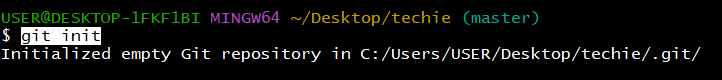
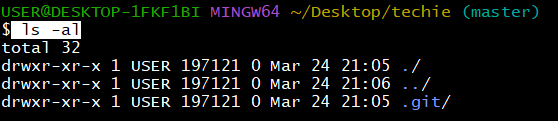
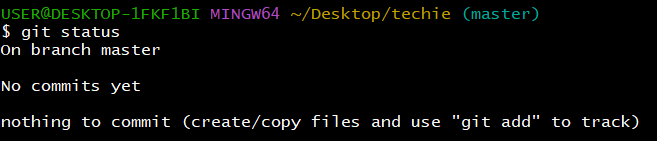
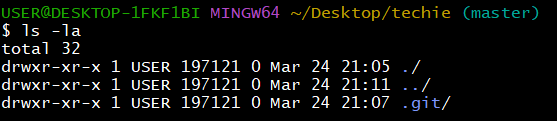
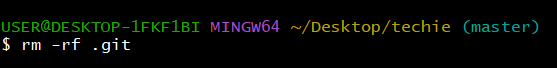
* Git status is used for track the changes of the files
* 

\*ls –al

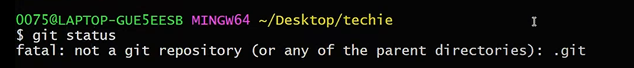
To check the hidden files

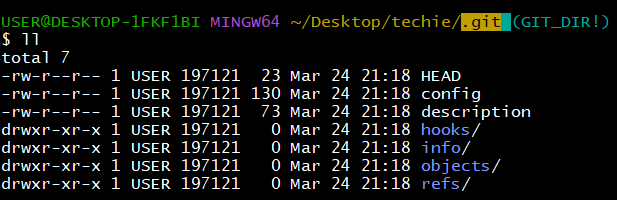
* 

\*git init

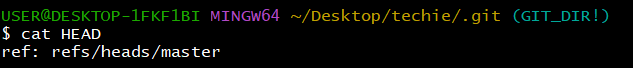
* When we do git init (intialise) then default branch master will create
* 
* By using .git folder all project details will be tracked
* 
* 
* 
* 
* If we delete the .git folder then default master branch will be delete
* Without .git folder tracking will not be done in the project

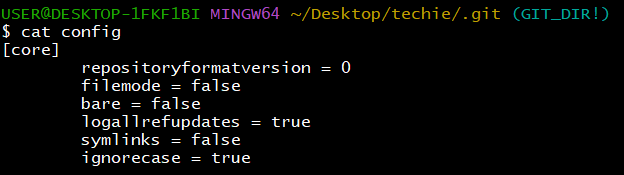
\*git status

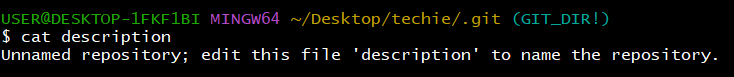
* 
* 3 files
* 4 folders



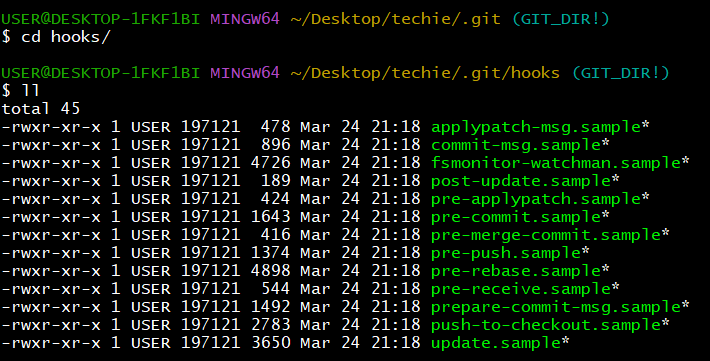
This is referring to the master branch

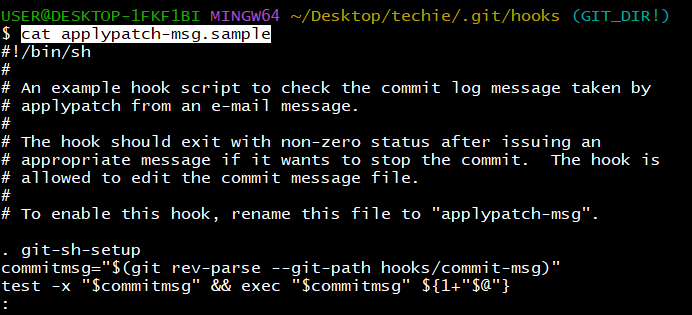






This all kind of scripts / this scripts are protecting our branches





This pre-push script is useful for prevent the unknown person push’s

To avoid Un nessary content

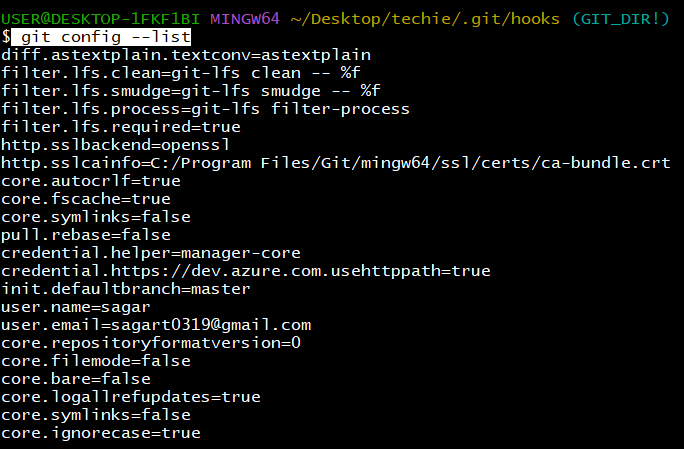


Don’t delete .git foler

Whatever we have changed in files and project / it is identified with usernames

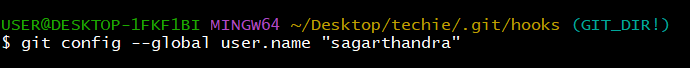
\*git config –list

We can check the complete configuration list / Username / Password

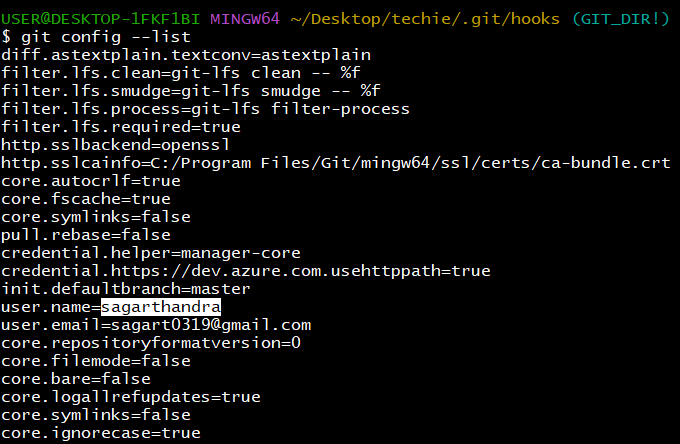


\*git config --global user.name "sagarthandra”

To change the user name in the global configuration

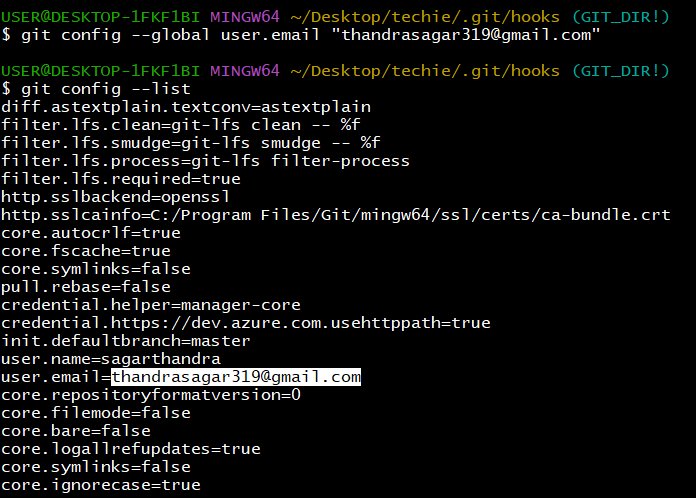


I have chaned the username sagar to sagarthandra



git config --global user.email "thandrasagar319@gmail.com"

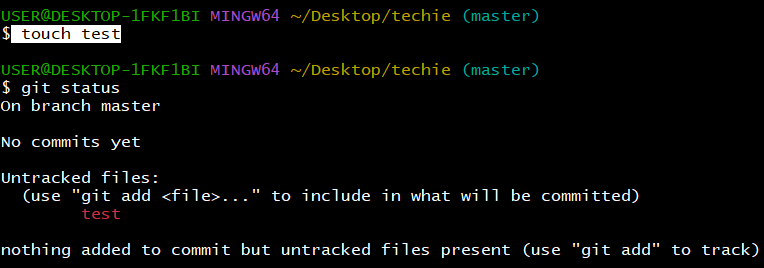
I have changed the email in config file



I have create file touch

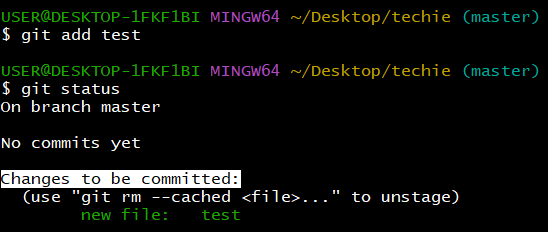
Checked the status of the file

It is in untracked stage



\*Git add test

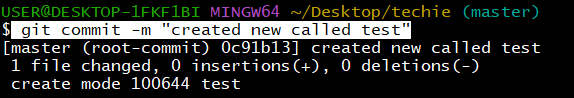
Test file added into tracking / from untracking to tracking changed



Then we need to do the commit / then only we can push the file to central repository

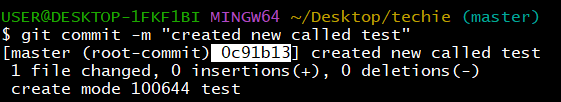
\*git commit -m "created new called test"

\*-m means message / message should be relevant / it should be understand everyone in the project

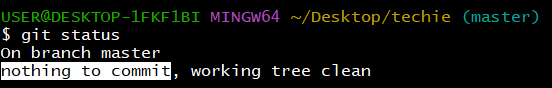


\*0c91b13

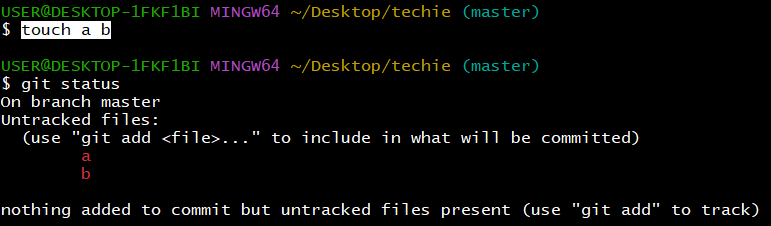
This is the commit id / each commit will generate the unique id /



We have committed the files before then we don’t have any files to commit

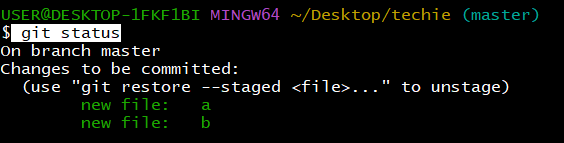


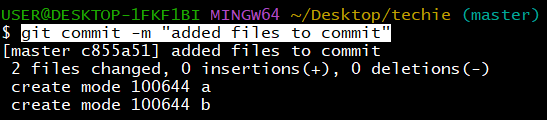
Created new files a,b

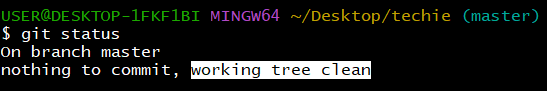


\*git add . (by using . dot we can add all files once)

If we want add files for tracking at once / we can use this command

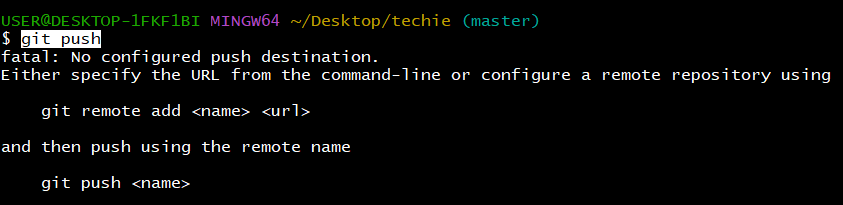




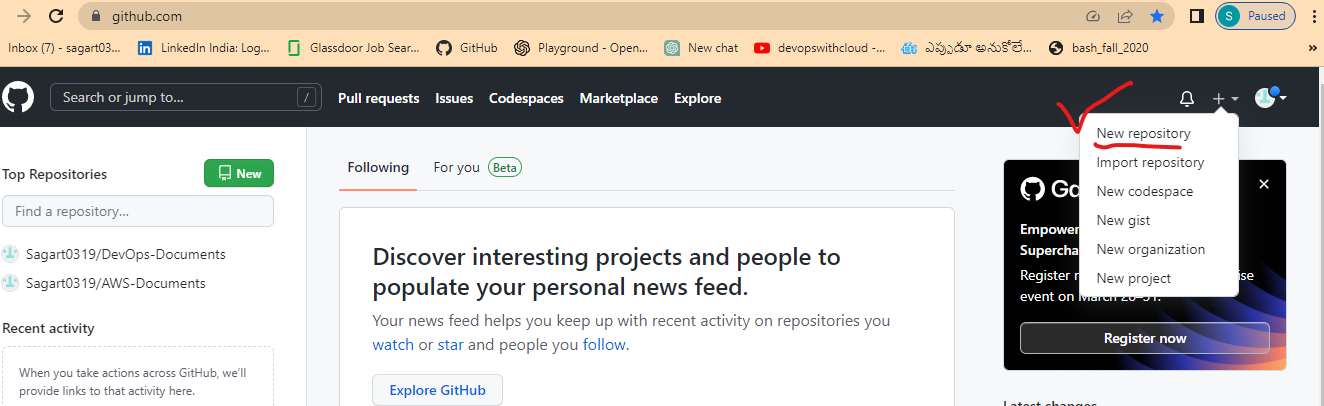


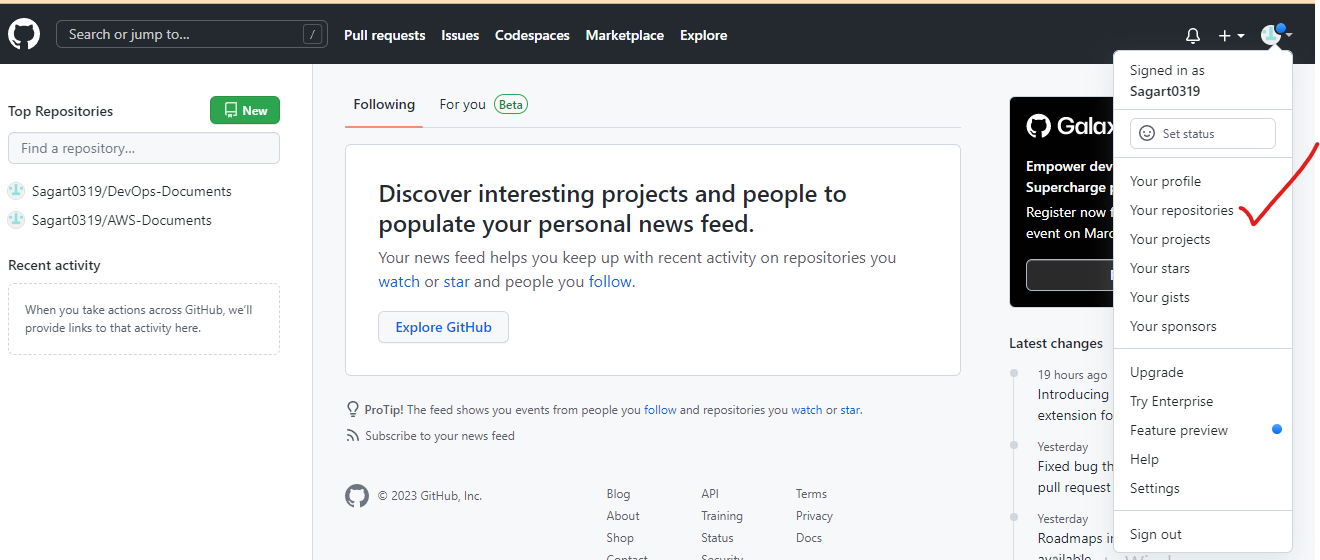
I want to push this files to centralised repository / and store there

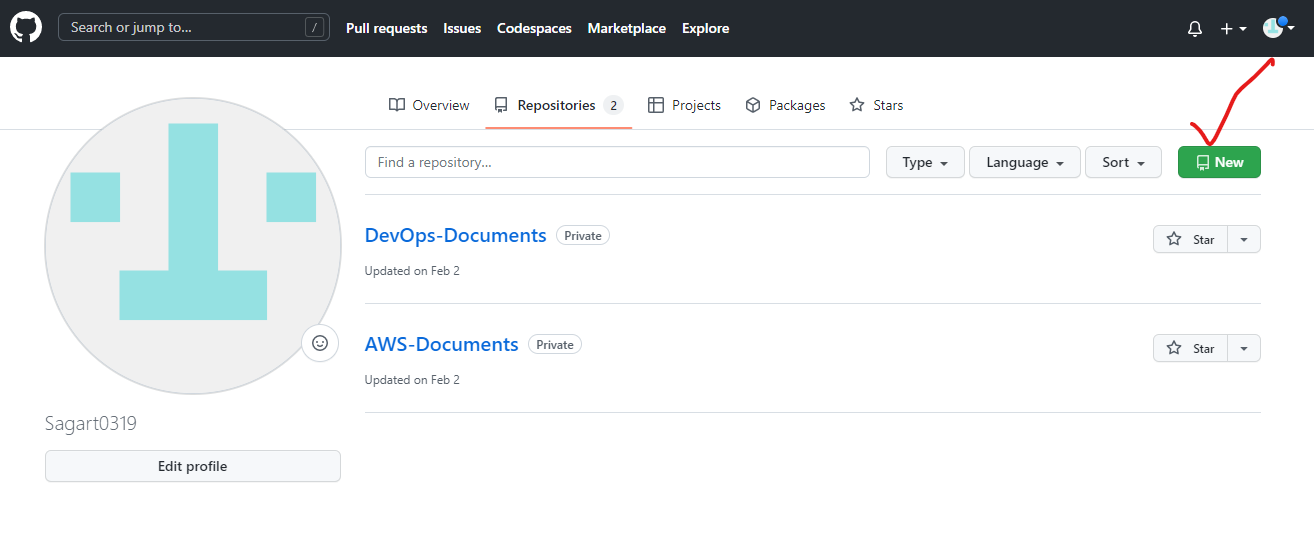
\*we have not configured the destination



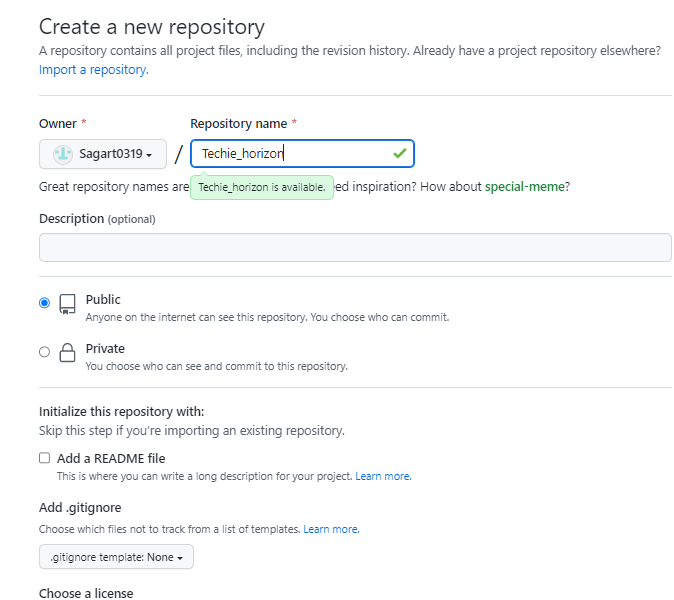
We want to create one repository in git hub / to push this files

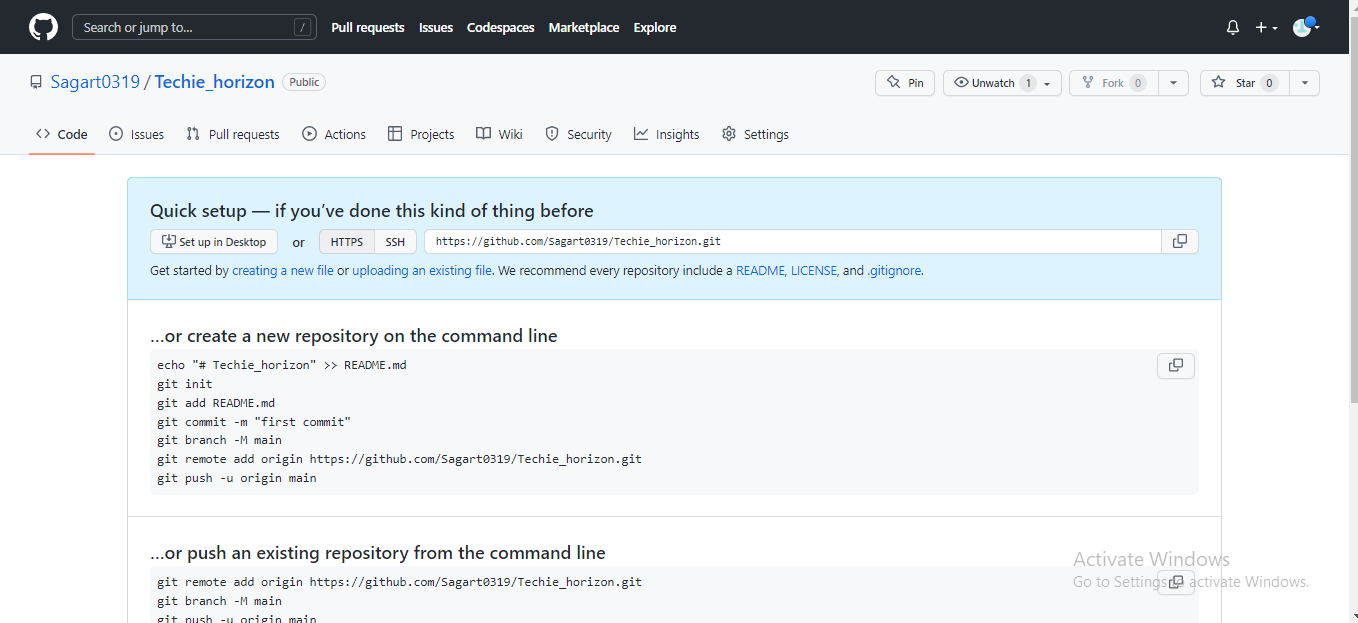






To create repository fill the below details

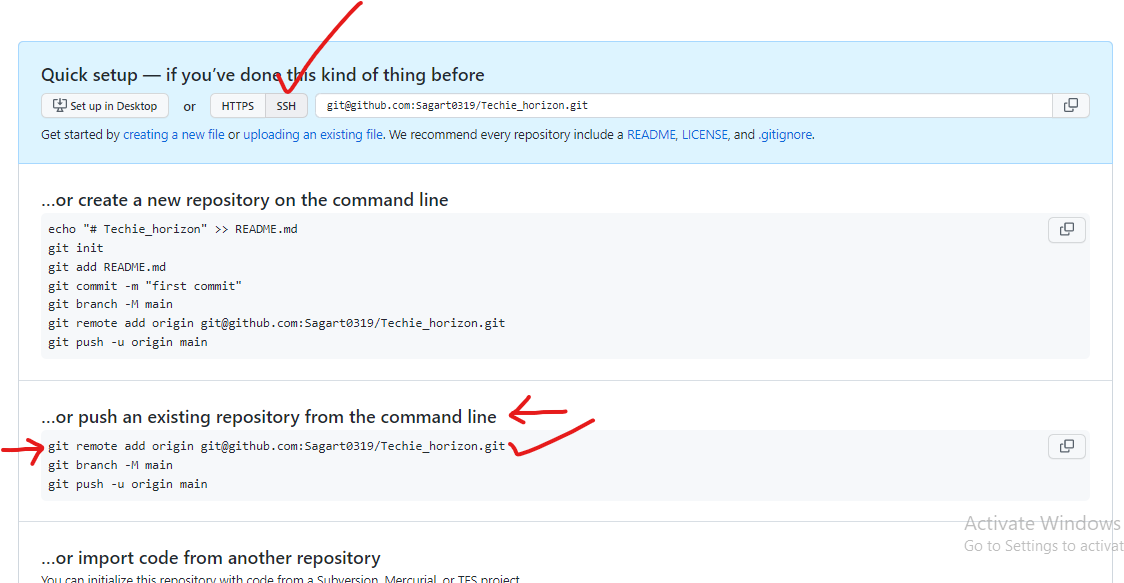




\*git remote –v

It will show the remote repositories (added)





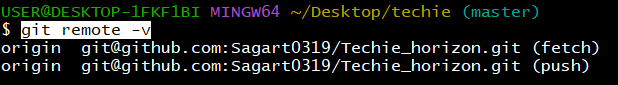
Added git remote repository

\*git remote add origin git@github.com:Sagart0319/Techie\_horizon.git



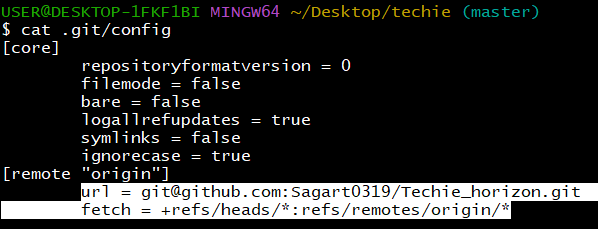
\*git remote –v

To check the remote repositories added list



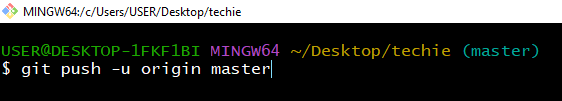
\*cat .git/config

After adding the remote files /added git hub connection with git / details added in .git config file (orgin details configured)

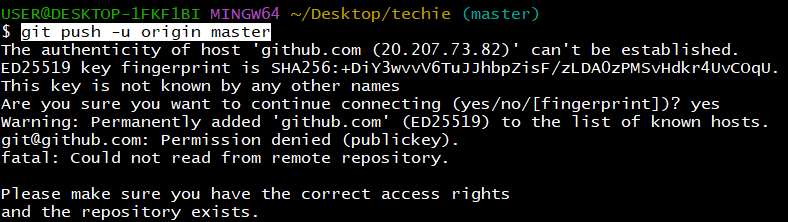


\*git push -u origin master

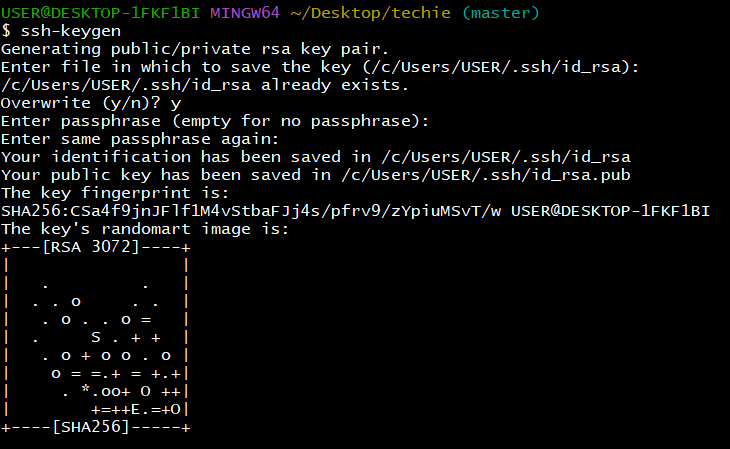
We can only use (git push) / but –u = is more segregated / origin= path / master = we are pushing to the master branch



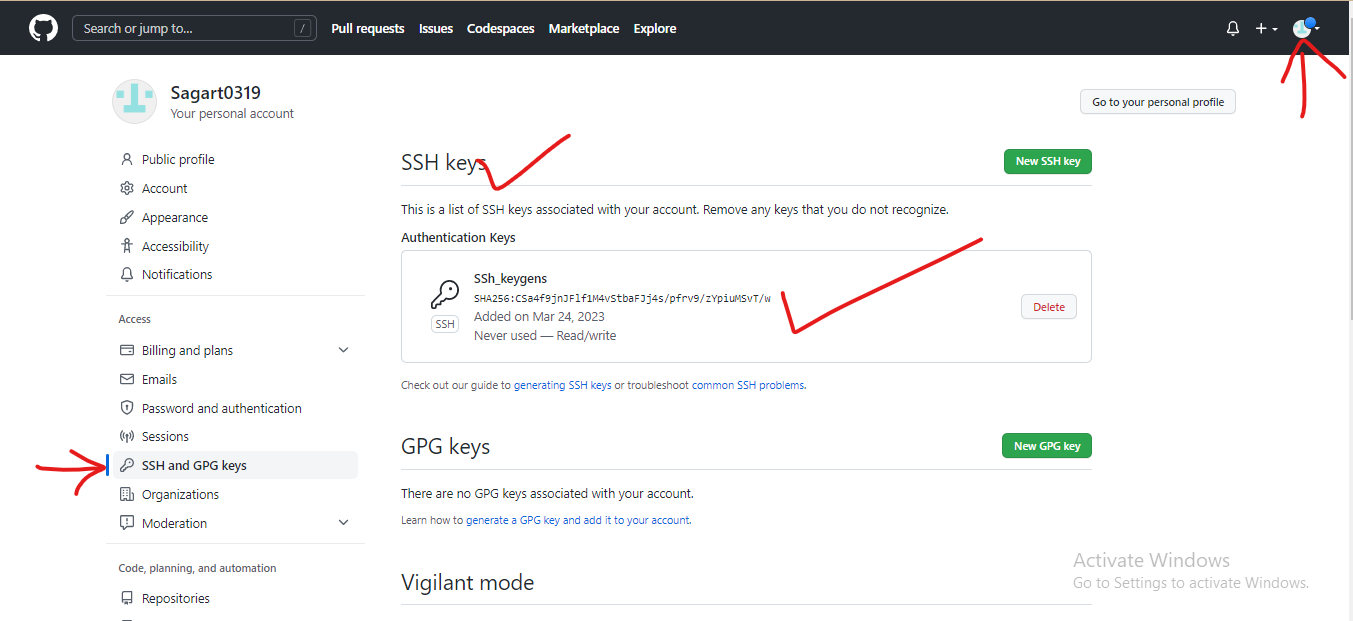
While pushing the branch to the git hub repository / I got error below like this



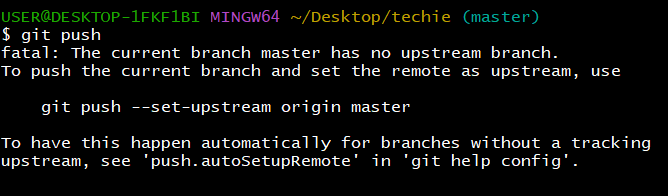
Then I created ssh-keygen in git bash / also pasted in github

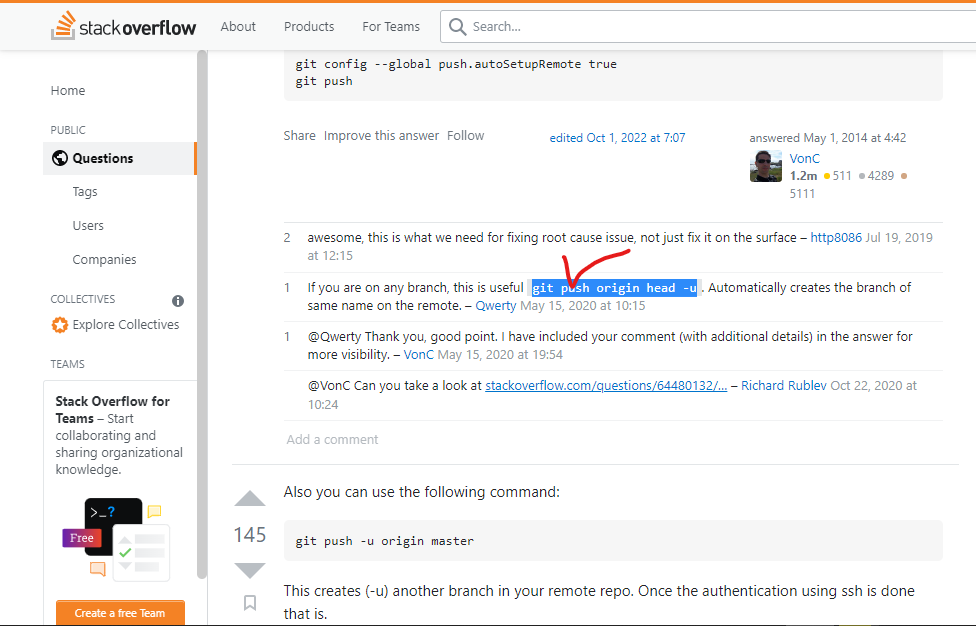


Then I pasted this ssh-keygen in git hub

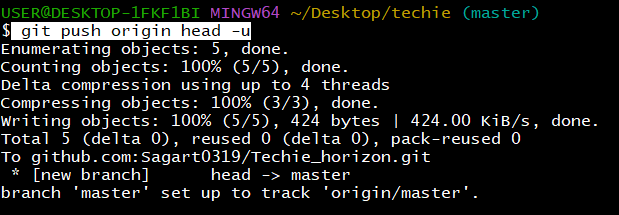


\*Still issue have not resolved

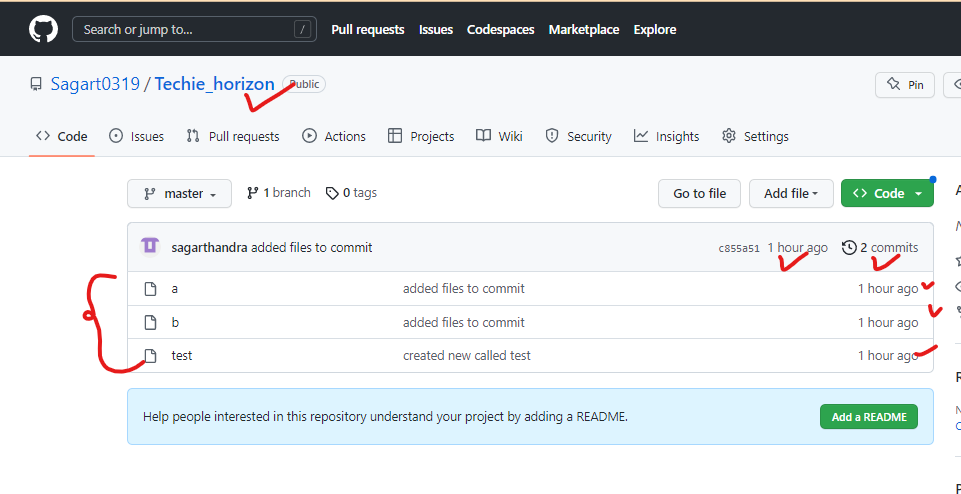




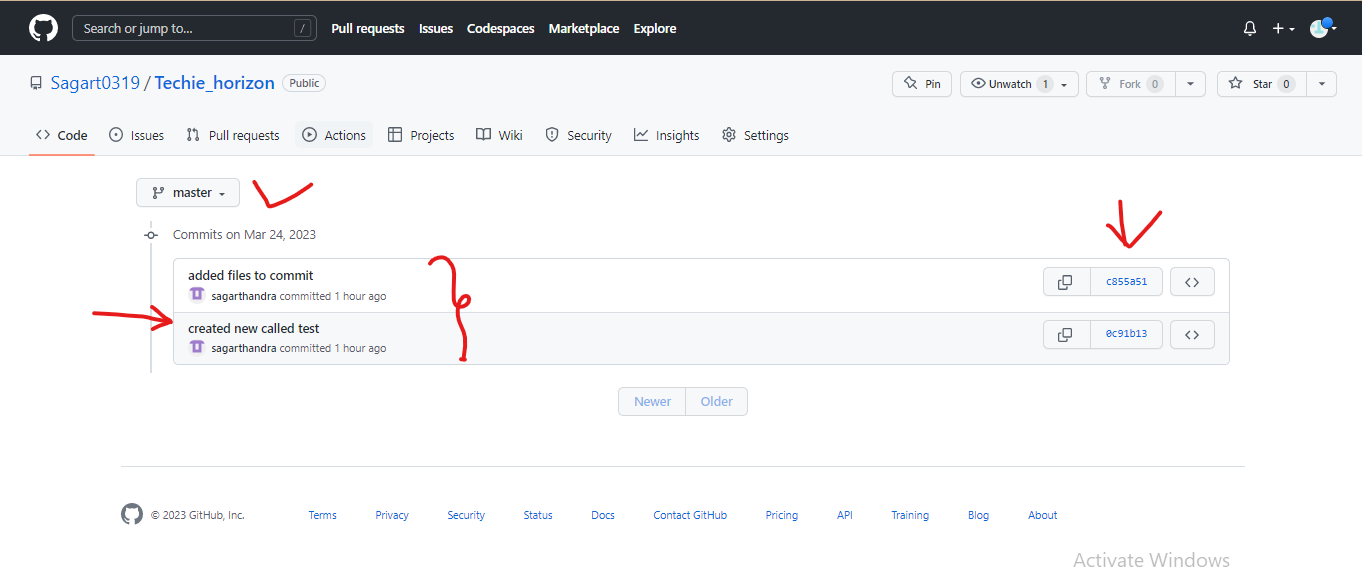
\*git push origin head -u



After refreshing we can able to see files pushed to the github



We can able see the commits / commit timings

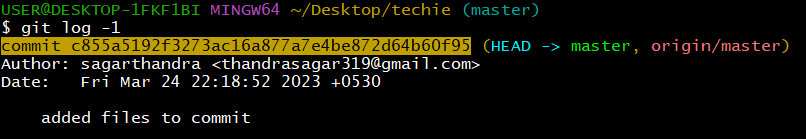


We can able to see the commit details clearly / Commit msg also we can see

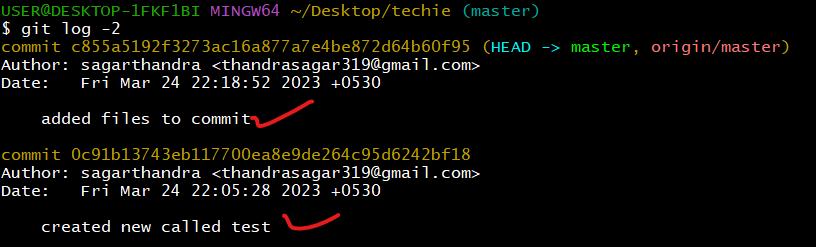
\*we can use the starting commit 5 letters

\*git log -1

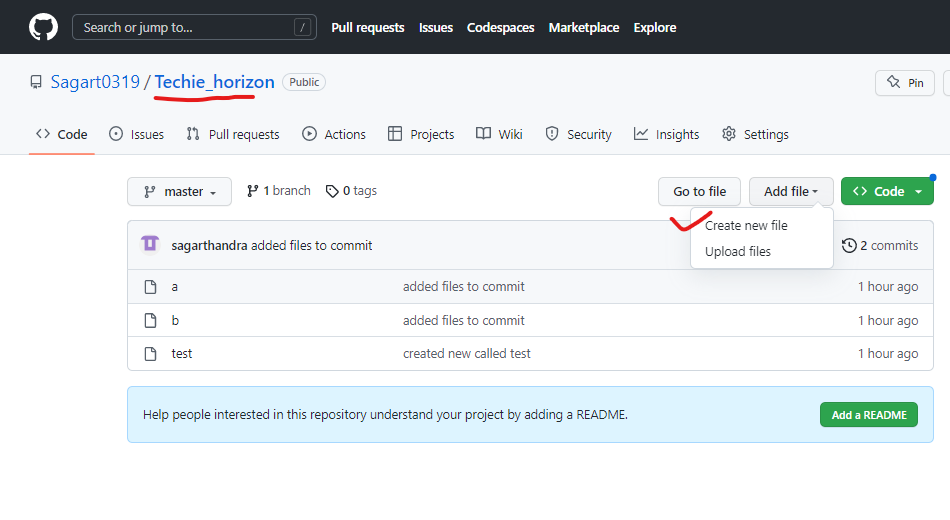
We can check latest last commit details



Last latest commits

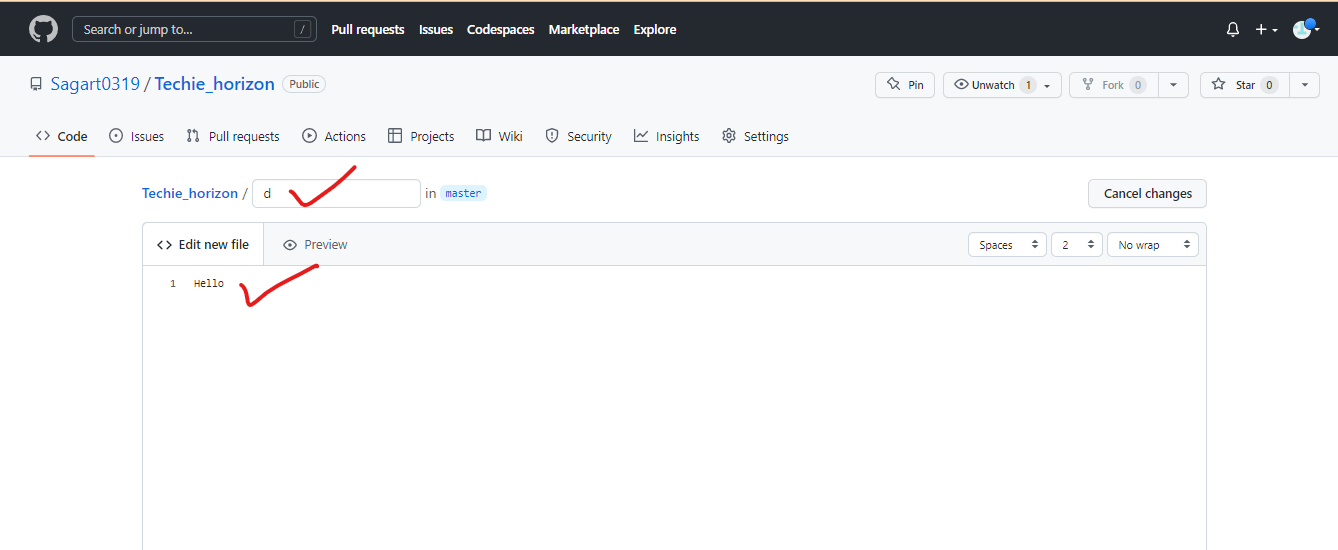


We can also create files in GitHub GUI

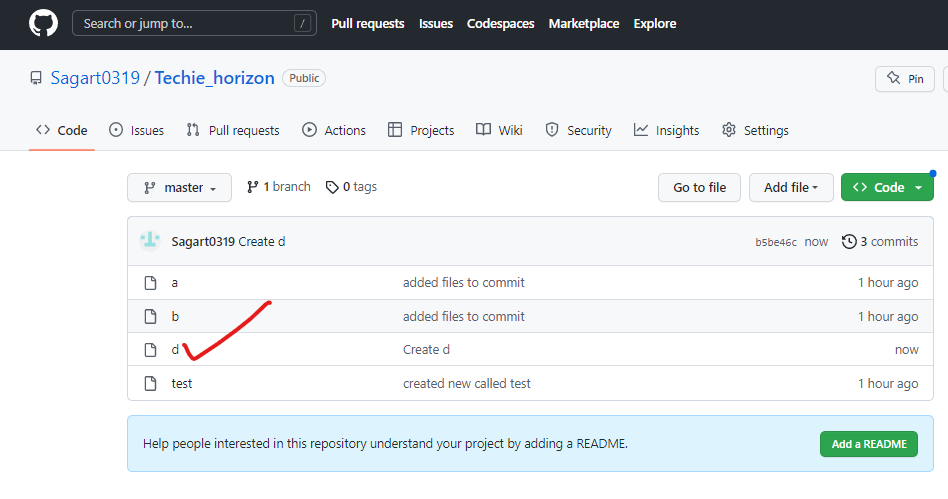


After creating the file in Gui / we have to add the message / then create file

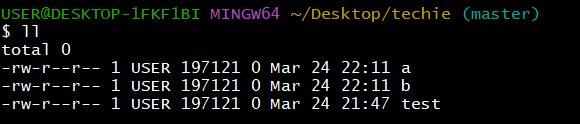
\*We have to mention the file name also



File “d” is created / it is created in Github by using GUI options/ this new file is not updated in git bash

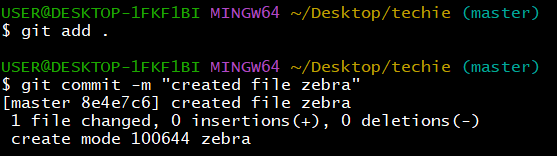


I have checked the local files / new github file not updated in locally



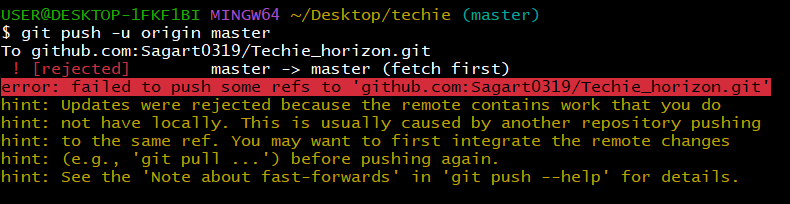
\*New file created in git bash “”Zebra”



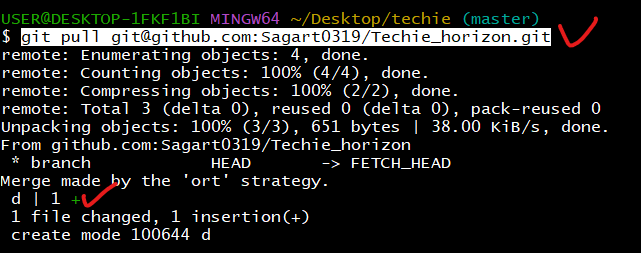


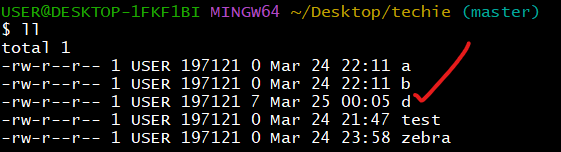
While pushing the file getting error / because new file created in github before this executing / github file is not updated in locally / that’s y we are getting error

\*Use git pull (before executing this command)

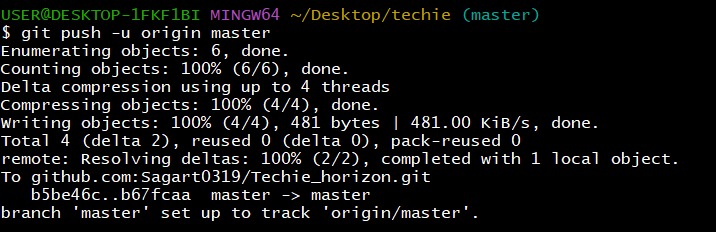


After using the git pull command / github file is updated locally (file name “d”)





Git push has done / because remote and local both are synconarised successfully



Whatever we have done the changes in local we don’t get any problem / but what we have done changes centrally we need to update in local