**Git Bash: at Git Repository activities**

1. To see the username and email: **git config –list**
2. To clean the git bash: **clear**
3. To see the status of the existing file: **git status**
4. To staging (where the code will checked traked or untraked): **git add filename(into the folder)**
5. To stage all file to the staging area: **git add . or git add all**
6. To send the file to local repository: **git commit** After git commit **to write some thing type I** from **the key board** you will get insert option at the bottom and on top now u can write your comment and then **type ESC** from the keyboard finally also **type :x** from the keyboard at the bottom of the git bash and **ente**r

Or

After git add . type on the git bash: **git commit –m “write the file name or your comment”**

1. To see all the commit of this folder: **git log**

**Or** to see all the commit at a time: **git log –oneline**

1. Again if you want to edit any committed file into the folder and again want to send to the local repository just do the same thing start from **git add .**
2. If you want to go back the file or cancel the edited part: **git checkout (copy the serial no for that specific file from the gitbash and paste)** now if you check the file which u edited at the folder u will find the edited part is gone. By using this procedure u can also vanish the file which u created at the folder.
3. If you want to go back at the first stage where all edition and folder was present & now u find the file also which vanished: **git checkout master**
4. If you want to see the latest change on the file which u previously edited many times : **git diff**
5. If you want to see what the changes happen of a specific file: after typing git log and u will get the file status then: **git show (copy the file serial number from the file status and paste it)**
6. If you want to see the difference between two commit of a same file: **git diff (serial number space serial no of that two commit from the git log –oneline status)**
7. If you want to permanently delete any file from the folder bcz it will not delete if u want to direct from the folder: **git rm (file name)** if u type git status still u will get the deleted item as stages . to unstage the deleted item type: **git reset HEAD (file name)** finally type : **git commit-m ”write that u have deleted that file”**

**Git Bash: at Git Repository & Remote Repository activities (git Hub);**

1. To upload file to the Remote Repository(github): Got to github click new repository or + on top right--- write the Repository Name: at Repository Name—click crate repository --- if you want to upload an existing file from your computer to this repository -- now go to the github repository file which u just created copy the link (**or push an existing repository from the command line**) ----- now open the gitbash on your existing file which you want to upload and paste link into the **git bash & enter—** type**: git push -u origin master** --- hit enter**---** type **github id & password** and go to the github refresh it the file will be there.
2. To get gethub project from github to my computer: go to the file into github click clone --- copy the link --- open the git bash where u want to create the file--- type: **git clone (paste the link) and enter**
3. **If** you want to download a file from github with new name instead of the github existing file name: open the git bash where u want to create the file--- type: **git clone (paste the link) (give the new name of the file instead of the github file name) and enter**
4. To edit at github & see the change in the computer: first click the file at github – click the edit option on right side --- Write something on the file --- at below on commit changes – write something what u done – click commit chages and To see at your computer (Working directory) what u edited on github of that specific file type : **git fetch** type : **git status (**you will get that your branch is behind by 1 commit..)—type: **git pull** (now if u check the file into yr computer u can see what u edited at github file)

**Git Bash & Git Branching in github:**

1. Create branch from master branch and merge the branch with the master baranch: go to the folder open git bash type— **git checkout –b (branch name or file new name)** – now create a file name as branch at the main folder and into the file write some thing and save—now commit the file at gitbash type—**git add .** --- **git commit –m (what u write at branch)**--- go to the master branch type: git branch --- type **git checkout master** (now u cant see the branch file which u created in the folder)

If u think what u created at the new branch u need to marge it with the master branch:

**git merge space(branch name which u find at the gitbash as it now not showing in the folder) and again u find the new branch file into the folder with the master branch file.**

1. If u want to delete any branch type: git branch –D (branch name)
2. If u want to edit a file without hampering the previous code which still at the folder not commit yet by gitbash now, I want to write some new code into the file but don’t want to lose the existing code now open the gitbash on the folder type: git status --- type: **git stash** (now if u open the file u find a fresh file without the previous code & the previous code is another place but deleted.) if u want to see the previous code type: **git stash pop/apply** (again if u open the file u will find the previous code.

If u want to see the stash file which added many code type: **git stash list**

1. If u want to remove file from the folder using gitbsh: at first open the gitbash on the file and then type **git status** --- type – **git clean -f -n** --- **git clean –f**
2. If u want to keep a file into a folder which u don’t want to commit to the github but the folder u want to commit: open the gitbash on the file type: **touch .gitignore** u will get a file into the folder as named as .gitignore—now open the file and type \*.(the file formet which u don’t want to commit like psd,txt….) and save --- now type **git status** – u will find that file as .gitinnore at the gitbash. Git ignore process for many types of file formet follow this link: <https://www.atlassian.com/git/tutorials/saving-changes/gitignore>

**How to Upload an existing file to Github**:

1. **At Github:** Go to github click new repository or + on top right--- write the Repository Name: at Repository Name—click crate repository --- if you want to upload an existing file from your computer to this repository -- now go to the github repository file which u just created copy the link (**or push an existing repository from the command line**) -----
2. **At computer:** now open the gitbash on your existing file which you want to upload
3. **At GitbashType**: **git init** --- **git status** **--- git add .** --- **git commit -m “File name or Message”**
4. **At GitHub**: now go to the github repository file which u just created copy the link (**or push an existing repository from the command line**)
5. **At Gitbash**: paste the link into the **git bash & enter — enter or** type**: git push -u origin master** --- hit enter **---** type **github id & password** and go to the github refresh it the file will be there.

**How to download a file from GitHub:**

1. To get gethub project from github to my computer: go to the file into **github click clone** **--- copy the link** --- open the git bash where u want to create the file--- type: **git clone (paste the link) and enter**
2. **If** you want to download a file from github with new name instead of the github existing file name: open the git bash where u want to create the file--- type: **git clone (paste the link) (give the new name of the file instead of the github file name) and enter**

To Download document from GIt Hub

Open a folder in the computer & into the folder open the git bash

Now, Copy the link from Clone or Download Option in the git hub

Write at the git bash (git clone space paste the link)

to edit the downloaded document and update the edited part to the git hub

or for vscode user follow the followcahrt:

edit the thing at vscode--- click the tick sign(Source control;git)--- write commit msg(about the edit) & enter –userid & enter --- password &enter – click at bottom refresh sign (master )--- finally refresh the git hub

For note pad foliow the git bash below:

