GITHUB & LINUX COMMANDS GUIDE

-- LINUX COMMANDS. (TO CREATE A FOLDER) --

$pwd -- Present working directory

$mkdir <directory/folder name> -- Create a new folder in desktop

$ls -- the list of files that are present working directory

$cd <directory/folder name> -- to change the directory/ to go to that particular directory

$cd .. -- it will go to the previous directory

$touch <file name> -- we are creating the file in that directory

$nano <file name> -- to open the file as well as we can write the code/info

$cat <file name> -- it will show the input in that file.

-- GIT COMMANDS. --

$git status -- to check the status.

$git init -- to initialize the empty repository

$git add . -- to add all the files to the local repositories.

$git add <file name> -- to add specific single file to the local repository.

$git config user.name "NAME"

$git config user.email "EMAIL" -- TO CONFIGURE BOTH NAME AND EMAIL

$git commit -m "commit message"(like version1/2) -- for commiting files to the local repo.

$git log -- to check the logs of commits (commit-id,name,email-id,time,commit message).

-- PUSH TO YOUR GITHUB. --

$git remote add origin <url> -- giving connection from your local repository to your github

$git push -u origin master -- pushing the file to your github(check whether it is in master or main branch)

-- CREATING AND PUSHING MULTIPLE VERSIONS. --

$nano <file name>

$cat <file name>

$git add <file name>

$git commit -m "commit message"

$git log

$git push -u origin master

-- SWITCHING BETWEEN VERSIONS. --

$git checkout <commit id> -- switch to a specific version

$nano <file name> -- check the version

$git log -- check the current version

$git checkout master -- return to original version

-- TAG MANAGEMENT. --

$git tag -- list all tags

$git tag <tag name> -- create a lightweight tag

$git tag -a <tag name> -m "<tag message>" -- create an annotated tag

$git show <tag name> -- view tag details

$git push origin <tag name> -- push tag to server

$git push origin --tags -- push all tags

$git tag -d <tag name> -- delete local tag

$git push origin --delete <tag name> -- delete remote tag

-- BRANCH MANAGEMENT. --

$git branch <branch name> -- create a new branch

$git checkout <branch name> -- switch to a branch

$git checkout -b <branch name> -- create and switch to new branch

$touch <branch file name> -- create file in branch

$nano <branch file name> -- edit file

$cat <branch file name> (optional)

$git status

-- Push branch to GitHub --

$git add .

$git commit -m "commit message"

$git push -u origin <branch name>

$git checkout master

$git merge <branch name>

-- PULL CODE FROM REPOSITORY. --

$cd

$git remote add origin "<url>"

$git pull origin main/master/branch name

$git status

-- CLONE REPOSITORY. --

$git clone <url>

-- FORKING --

There is an option in GitHub itself to fork repositories.