
git and GitHub

linux command

1.cd - to go to user/root/home
2.ls - will show what u have here
3.pwd - where u are
4.cd .. - will take u a step back
5.mkdir <foldername> - will create a folder ; ex- mkdir test
6.touch <filename> - will create a file ; ex - touch file.txt (file extension is a must)
7. cat <filename> - to read a file
8. nano <filename> - to edit file

nano - to get out of nano editor - follow the command at the bottom. ctrl+x - to get out ...

9.clear - to clear the window

GitHub first time

1.open GitHub
2.copy the path of your repository
3.come to terminal/gitbash
4.create a folder, for example <test>
5.go to that folder, cd test

6.git init
7.git clone <path which u copied from github>
8.ls - to check if its downloaded

9. cd to that folder - this is known as **project level*
10. git status - to see the status and branch
11. git branch - to see which branch u r in
12. git checkout -b <branchname> - to create a branch
13. git pull - to pull the latest from GitHub
14. git checkout master - to go back to master branch
15. git diff - to see the difference

<u>now u have edited/added a file and want to push it to GitHub:</u>

always create a branch before you add/edit anything. once you are done creating a branch, open your eclipse and go the **project level* and create you class or method ……whatever u want to add.

now comeback to terminal/gitbash. type git diff
it will show you all the new things added in a red color.

if you are okay with it and decide to push it to GitHub then

1. git add —all

now it will show you that the file you added is not tracked and its red colored.

2.git commit -m “commit message”

here, this commit message is just for and idea about the file u r changing

3.git pull

before pushing to GitHub, its always better to pull new code first to avoid merge conflict

4.git push

now if you go to GitHub , you will find all the new code added from you terminal…