Cloning

Thursday, April 13, 2023   2:40 PM

- git clone repo : brings a repo that is hosted somewhere like github to your local machine. Syntax: git clone url_for_repo

- Ls -ls : list all the files including hidden files.

- git status : shows all the changed files.
- git add . : tracks all the changed files and new files.
- git commit -m "Msg" : used to save the changes.

- git push origin branch_name : upload all the files/folders on local machine to remote repository. To push we need to prove our identity as owner. So we generate SSH keys
- ssh-keygen -t rsa -C "account email id"
  Then set name to the file(e.g.testkey) and open the file(cat testkey) and copy the ssh key.
  Then goto github account>setting>ssh keys> add the key to account
  Then in git bash in git directory:
  - eval $(ssh-agent -s)
  - ssh-add   ~/testkey
- No we can run push command

- git pull origin branch_name : used to download the changes made from remote repo to local machine

If we are setting repo on local machine without cloning the do following:

- git init : to make a normal repo as git repo
  Now we can add the file and status>add>commit
- To push into this repo first status>add>commit files
- Then add remote repo to this local repo by creating empty repo on github
- git remote add origin git@github.com:shubham/reponame
- git push -u origin master (to avoid writing origin everytime use -u origin master once)