## My Git learning

#### Basics

git init

git add <file(s)>

git status

git commit

git push - push local repository into remote

git pull – pull latest changes from remote to local

git clone

$ git config --global user.name 'manju\_h'

Dell@DESKTOP-4GAC2V9 MINGW64 /e/sourcecode/gitexp (master)

$ git config --global user.email 'mylocalhost0@gmail.com'

$ git add index.txt

//Suppose if you want to remove added from statging

$ git rm --cached index.txt

git commit

how to ignore files while adding

touch .gitignore

file name

/directoryname

#### Working with branches

git branch “branch name”

git checkout “branch name”

git add .

git checkout master

git merge “branch name”

Enter i – add commit message – escape and :wq

Git remote

//nothing

git remote add origin https://github.com/manju-h/dummygit.git

git push

//Now it may complain upstream is not yet set

//to do so you can first set remote upstream

//or push and set remote upstream in a single command

git push --set-upstream origin master

change commit , when not pushed chagnes

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| Suppose if you make any misatkes and |
| Git checkout file\_name |
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| When commit meesage went wrong |
| Git commit –m “wrong message:”  Git commit –amend -m “not correct message without addign additional commit” |
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| If you missed any file in previous commit and you need to add a file without changing commit message |
| Git commit –amend  To verify the files you commited  Git log –stat |

Commit to wrong branch , before push

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| Acccidetally if you commited changes to master instead of featurebranch , later u need to move that commit |
| Git checkout master  Git log 🡪 grab the hash eg 123frommaster  Git chckout featurebranch  Git log  Git cherry-pick 123frommaster 🡪but it doesnt delete from master  Git log  Git checkout master  Git log  { 123frommaster, 456validinmaster}   1. Git reset –soft 456validinmaster   Git log 🡪 now you can see only one commit  Git status 🡪 you can still see file changed from prevous commit   1. Git reset 456validinmaster   Git log  Git status 🡪 now its in statgin area   1. Git reset –hard 456validinmaster   Git log  Git status 🡪 only untracked files left  Git clean –df (d->untracked directory f->untracked files) |
| 3: what if you cleaned everything and realized later u need some files which you deleted from reset hard  Git reflog 🡪 grab the hash which u want  Git checkout 123frommaster, but head is detached  Git log 🡪observe lost changes  Then create a backup branch  Git branch tempbackupbranch  Git branch 🡪observe the detached head  Git checkout master  Git checkout tempbackupbranch  Git log |
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| Git stash save “some message “ 🡪 save and message are optional  Git stash list  Git stash apply stashid 🡪 Not recommended as stash willl still e there  Git stash pop  Git stash drop stashid  Git stash clear 🡪 clear all stash |
| Lets say you have done some changes in master branch , but u intended to do it on feature .  You can stash and carry over to other branch |
| Git stash save “in master changes”  Git checkout featurebranch  Git stash pop  Git add  Git commit –m “” |

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