**Commands**:

**Linux basic commands**

sudo -i (to get the root folder)

top (to run continuously)

ls / (forward-slash is the root directory)

ls /bin (is where all command line utilities are stored)

ls /boot(all startup files)

and check all using ls /

pwd (present working directory)

ls

mkdir

cd

cat myfile.txt. or cat>myfile.txt (to text in terminal itself)

ctrl+c to come out

ls -l

ls -a (list hidden file as well)

ls -r(include all the contents of the sub directory as well)

cd ..

cp myfile.txt myfile1.txt

cat myfile1.txt

mv myfile1.txt subdir

rm myfile.txt(to delete a file not directory)

rm -r subdir(to delete a directory)

vi myfile.txt (have 3 modes command mode,insert mode and execute mode)

press i to insert , press escape , press a to append, go to escape mode and press capital A to append last, press capital I it will come to beginning of the line

insert a new line (capital o), capital S. (ALL THESE CAPITAL IN COMMAND MODE)

ESCAPE DD to delete a entire line

ESCAPE YY to copy the line

Escape : execute mode

:q (to quit without saving)

:wq(write and quit)

:q! forcibliy quit

:/sfd (to search string sfd)

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**Do this in root@ip# terminal aws shell**

yum (this command will pull the software from the repo)

yum repolist

yum list installed

yum grouplist

yum install httpd(example web server on our machine)

service httpd start

vi /var/www/html/index.html

yum install curl (instead of going to web browser to check the index.html content can use curl)

curl localhost 80 (hit the server o a particular port)

service httpd stop

yum remove httpd

tail -5 /var/log/yum.log (to check last 5 lines of log files)

yum history

yum search java

yum search htppd

**rm -rf** firstrepo to remove recursively and forcibly folder/file

**GIT commands:**

brew install git

git config --global user.name “kiran”

git config user.email

git config --list

git init

ls .git

git status

git add index.html

git add .

git commit -m “specify why”

git log

git diff commmitid1 commitid2

git log –oneline

**undo changes: before staging,**

vi index.html(make changes)

git status

git checkout index.html

**after staging**

vi index.html(make changes)

git status

git reset HEAD index.html

git checkout index.html

**branch**

git branch dev

git branch

git checkout dev(\* marked to dev now)

git branch

vi index.html(make changes)

git status

git add .

git commit -m “saved”

git log

git checkout master(switched to main branch)

git merge dev(dev to master code changes merged)

resolving merge conflicts (go to file and delete/change whatever ) else will get merge conflict error

git branch -d bugfix

**create remote repo**

create github account

git remote -v (to check what all remote )

git remote add origin htttps://github……..

git remote -v

git push -u origin master

always do git pull before git push

git pull

git fetch (same as git pull but no code updated in local just can see what are changes in the remote)

**reset vs revert**

git reset --hard commitID(will lose the files/commits upto this commit)

git push -f

git log

git revert head(will revert reset changes)

git push

git stash (want to work on something else and come back here later)

git stash pop

git rm file1.txt

git commit -m "remove file1.txt"