## Git

Git is known as sub version control system. It is an open-source tool which help to record the

flow the application or project or task or history of work. It is a distributed sub version control.

Please login in VM machine

Then using GUI or command prompt create the folder.

MyRepo

Open the terminal inside a folder.

Using pwd check the current path.

git --version

 git init   this command is use to make normal folder as local git repository.

ls          : it use to find all folder and files present in current directory.

ls -a      it display .git hidden folder.

git status          it is use to display current status of repository

git add filename          : add particular file to staging area.

or

git add .                    : it is use to add all files and folder to staging area.

Unix commands

cat >> filename.txt

contents

contr + c or cont + d

it is use to create the file and we can add the contents in file.

touch filename.txt          it is use to create empty file

vi filename.txt          open the file

I : insert mode

      Write the content

Esc

:wq!          Write the quite

git commit -m "initial commit "  this command is use to add all task from

                        stagging area to local repository.

First time you need to configure few information ie

git config --global user.email "Your Email"

git config --global user.name "Your Name"

git branch

git branch is like a pointer which hold more than one commit details.

Whenever we do first commit one default branch created

Default branch name may be master or main.

git branch

if we want to create user defined branch

git branch branchname

git checkout branchname

move to user defined branch using git checkout command

and do task depending upon your requirements. Like add, delete or modify

then add and commit before checkout to another branch.

From master branch

git branch

git checkout akash

touch akash_file

git add .

git commit -m "file created"

ls                    five files

git checkout master

ls                    four files

then

git checkout Vikash

deleted two files

git add .

git commit -m "file deleted"

ls          2 files

git checkout master

ls          4 files


git merge branchname          this command is use to merge all task in current branch

                              ie master branch

git branch -D akash           this command is use to delete the branch