**GIT:**

It is a Distributed Version Control Tool

Linux GIT Created by Linux Torvalds created by Linux Torvalds

no single point of failure since all the dev have local repository.

check out and commit performed locally.

dev work space not required to connect to network

staging area (it is part of developer machine)

In git commit is 2 step process

first we have to commit in the staging area

then from staging area to local repository

staging area is a virtual area

we can double check any update before commit

it is not available in the other version of the VCS

WS1 [Files] ...commit---> [local repository] --commit--->[local GIT

WS1[Files] --commit [Staging Area] repository)

git will take the snap shot of the data and then store it

criptographic conversion done in the staging area convert our data into hashing algo and encripted format

encription and decription is automatically take care of by git Branching and Merging

Step-1:

Create a GitHub Rep

Step-2:

Download git

Step-3:

go to git bash

Create local Rep

/>git init <repo name>

Create a clone rep

/>git clone <repo name>

Send file from local to global repo

git status