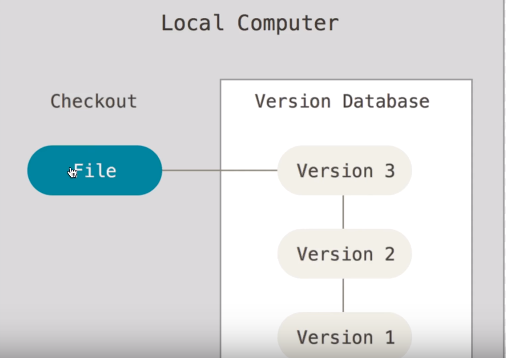
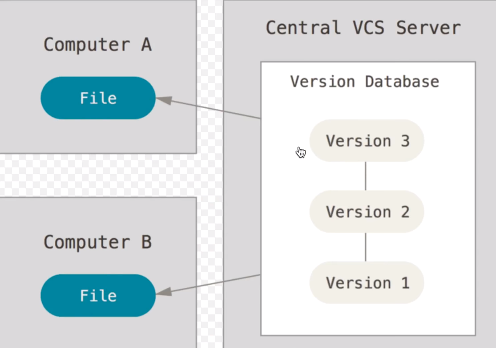
**GIT:**

1. GIT is Version Control System.



2. To Track changes in files/folders.

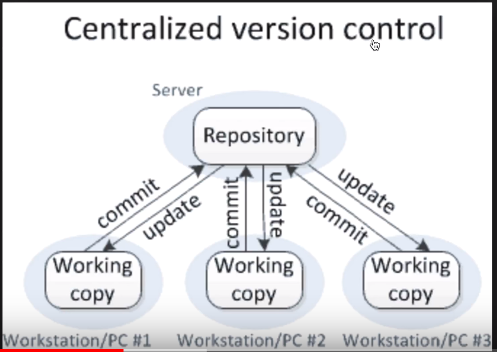
3. To Collaborate in teams.



4. GIT is free and open Source Tool.

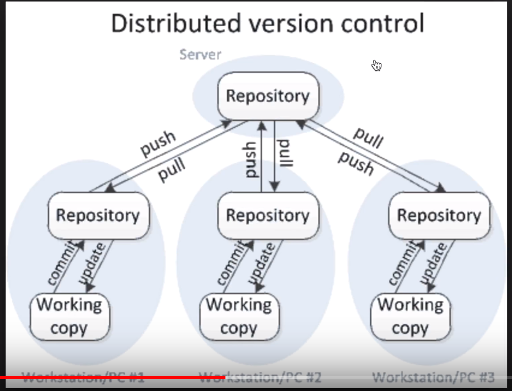
5. GIT is Distributed Version control system.

**Centralized Version Control system:**



1. **Singled copy is maintained on server and will let team to collaborate work same copy.**
2. **Disadvantage is : if server copy lost and it is difficult recover and maintain backup is difficult**
3. **Disadvantage: all the workstation should be always need to connected internet to access server copy.**

**Distributed Version Control System:**



1. **Advantage is here is will several copies of Repository is maintained and if something goes wrong main Repository, we can recover the any of the sub repository.**
2. **You can work offline with your repository, only during pull and push operation you need to connect to internet.**

**GIT Hub: Website to upload your repositories online.**

**-provides backup on clouds.**

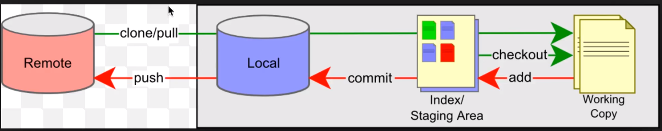
**- provides visual interface to your repo.**

**- makes collaboration easier.**

**GIT!=GITHUB.**

**You can use GIT with Any online repositories like Bit Bucket , GITHUB, Similarly you can use GITHUB with any repositories like GIT, SVN etc.**

**Simple Work flow of GIT:**



**Installation of GIT:**

**1.Go to git:** [**https://git-scm.com/download/win**](https://git-scm.com/download/win) **and download git.**

**2. from cmd check: git –version will show what version of git installed.**

**3. Signup and create freed account with GIT Hub.**

[**https://github.com/join/customize**](https://github.com/join/customize) **username: ccmaug1978 and password: mu5ra5li**

**4. Add your github email and username to git**

**C:\Users\mchen2>git config --global user.email "ccmaug1978@gmail.com"**

**C:\Users\mchen2>git config --global user.name "ccmaug1978"**

**5. Add File/Folders to GIT.**

**6. Got to location of the folder in command prompt**

**1. C:\Users\mchen2>git init**

**Initialized empty Git repository in C:/Users/mchen2/.git/**

**This will add hidden git folder**

**D:\MyFolder>git init**

Initialized empty Git repository in D:/MyFolder/.git/

D:\MyFolder>git status

On branch master

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

New Text Document (2).txt

New Text Document.txt

imp.txt

nothing added to commit but untracked files present (use "git add" to track)

**D:\MyFolder>git add imp.txt**

**D:\MyFolder>git status**

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: imp.txt

Untracked files:

(use "git add <file>..." to include in what will be committed)

New Text Document (2).txt

New Text Document.txt