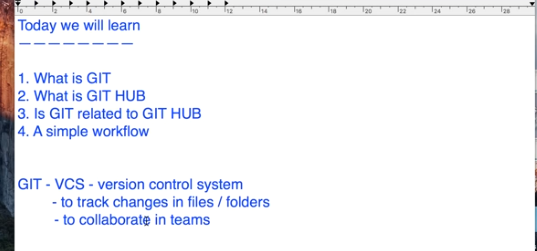
**Git & Github**

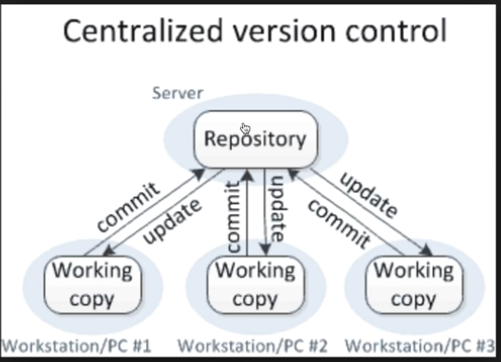
**What is Git ?**



* Git is free and open Source

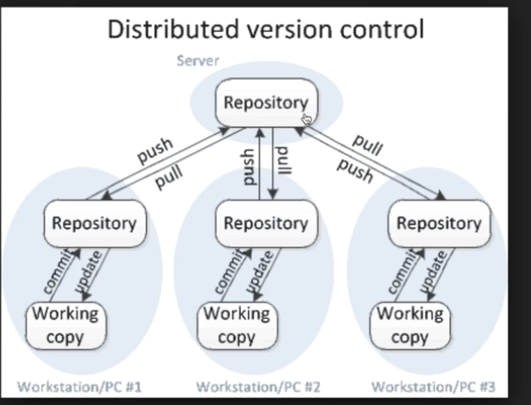
There are two types of VCS

Centralised VCS & Distributed VCS :



**Disadvantages of Centralized VCS :**

There is a single repository place in the server so if anything goes wrong with repository it will difficult to maintain us the backup and bring the repository to normal position. Also all the working team people have to online to collaborate with the server.



**Advantage of Distributed VCS :** If something wrong happened with Server then we can take backup from any local system because this is the complete copy of repository. Second advantage is you have no need to be online every time. You just take the copy and work offline in your local mode and you need internet connection only when you are needed to push/pull the changes.

Eg : Git is Distributed VCS.

-------------------------------------------------------------------------------------------------------------

**What is Git Hub?**

Git hub is website to upload your repository online

Advantages :

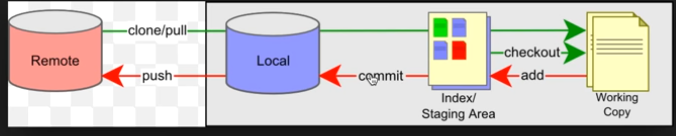
* It provides backup of your repository on the cloud
* It provides visual interface to your repository
* It makes collaboration with all the team mates as well as other people easier.

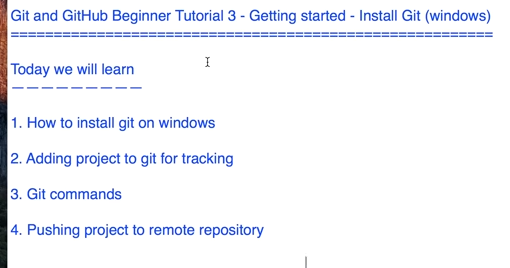
**Is Git related to GitHub?**

**Ans🡪**  **Git != Github**

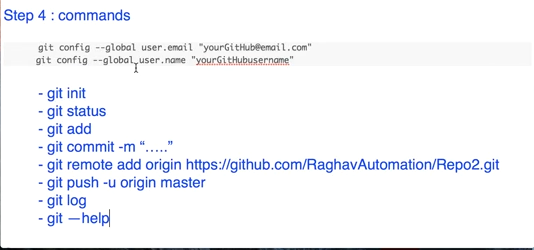
* Git is a VCS where as Github is a website to upload repository online
* Github can be used with any VCS like Git or SVN and similarly Git can also be used with any version control management system like Github or Bitbucket or anything else .

**Workflow :**





1. **how to install git on windows :** <https://git-scm.com/>
2. **Adding Projects to git for tracking :**



**Step 4 : Pushing project to remote repository :**

**git remote add origin https://github.com/deepakkumar-100/Study-material.git**

**git push -u origin master**