About 90% of the version control related work happens in local repository and If you are the only person in the project chances are that you may not use remote repo but when you want to share data with your teammates, a remote repository comes into play.

Think of it like a file server that you use to exchange data with your colleagues.

For remote repository we use online services that offers **git** and allows you to create remote repository.

github is the online service for git to create remote repositories on github’s server and calloborate with teammates/colleague

**git clone** is used to clone a repository from github.

**git push origin branch<name>** push changes to remote repository

**git pull** fetch and merge changes from remote repository

**git fetch** fetch changes from remote repository

**git merge** merge changes that was fetched by git fetch command.

If you want to add a local repository to remote then you will use these commands

**git remote add myremote url**  add/connect your local repository to remote

**git remote -v** show remote urls

**git remote show origin** show details of origin.

**git push -u origin**  will push your local repository to remote repository

if you make a branch locally and you want to push it. Then you **git push –u origin branch<name>**