1 Basic Commands

- `git clone <url>` → Bring a repository that is hosted somewhere like Github into a folder on your local machine

- `git add <file>` → Track your files and changes in Git

- `git commit -m "<messege>" <file>` → Save your files in Git. You can commit like this

$$\texttt{git commit -m "messege" <file> -m "<description>"}$$

  which also gives some description

- `git push origin <branch-name>` → Upload Git commits to a remote repo, like Github

- `git pull` → Download changes from remote repo to your local machine, the opposite of push

- `git status` → Shows all the files that are created and commited and haven't been commited

2 Initialize a Repo

- Create a folder let `repo`

- Create a `README.md` file

- Run the command `git init`

- Then add the file by

$$\texttt{git add README.md}$$

$$\texttt{git commit -m "Created readme"}$$

- Now we can not just `git push origin master` since git does not know where to push this since there is no connection. We have to create this connection

- Go to github and create an empty repository. Copy the given link

- Then run `git remote add origin <copied-url>`

- Then run `git push origin master`

- Later we will use only `git push` but we will use something called upstream meaning this is where i want to push by default by `git push -u origin master`