**How to git push an existing project to GitHub**

1. Go to [github.com](https://github.com/pmiyan?tab=repositories) and create a **new repository**.
2. Copy the link of this new repo e.g. <https://github.com/pmiyan/study-notes.git>
3. Go to root directory in file explorer where the files to be stored in github are located and open **git bash here**.
4. Run **“git init”** to create a local git repository. After doing this the files in the local folder are untracked on local repo.
5. Run **“git add .”** to track the files in local git repo but they are yet to be committed.
6. Run “**git commit -m “Commit message for new github project”** ”
7. Now add the local repo to remote github location by adding the remote reference of the new repo using: “**git remote add origin** [**https://github.com/pmiyan/study-notes.git**](https://github.com/pmiyan/study-notes.git)”
8. To push the code from local git to remote “**git push -u -f origin master**” where u is upstream and f is force

**How to pull new changes from the master into local repo:**

**git pull origin master**

**How to add new changes to master through local branch:**

1. Create new branch using “**git branch new\_branch\_name**”
2. Run “**git checkout** **new\_branch\_name**” to make changes to the new local changes away from the master repository
3. Add your changes to the code in the new branch
4. Run “**git add .**” to add the new files created
5. Run “**git commit -m “commit message”**” to commit new changes to local repo
6. Now push the changes from local branch into github by creating a new remote branch using “**git push origin new\_branch\_name**”
7. Go to github.com to **compare and pull** the new changes from branch into master. Merge the changes. The changes from the branch should now be merged into master.