First you need to create the repositories in the GIT, through GIT HUB.

You can do it in the git hub website.

And then First create a folder Locally to make the repository in the local system.

Open Visual studio.

Open that created folder in the studio

And then select Git clone “repository url “- which will **extract the files** in the repository locally.

After the folder is created locally and in the Visual studio.

In the Visual studio- **cd the particular folder.**

Create any files in the **VS** add it to the repo.

**Git add file name.**

Git status for checking the current status of the files,

First files will be untracked and then after adding the files it will be Added

Now it will be in the staging are.

**Git commit -m “2 files added”, this will create the files in the local directory**

**Git push origin main , which will add the file in the main repository.**

**For all changes from VS to GIT repo**

**Create a folder in the VS**

**Git clone url, files in the git repo will be imported in the local folder and VS**

**CD sub folder change directory and get into the folder.**

**Git add file name,**

**Git commit -m “message”**

**Git push origin main.**

**For importing the files and folder from repo to VS.**

**And then for adding the files from VS to repo.**

**Now after cloning, if there is any changes in the repo, we need to import that particular changes alone for that, we have to just pull the details from git repo to the local folder.**

**Git pull for pulling the changes from the repo.**

**Now for pushing the new folder created in the VS to the repo.**

**First create the repo folder locally**

**And add any files in the vs or locally.**

**Now for adding the folder to the repository**

**Git init**

**Now the folder will be added but the files aren’t added, now we need to add the files.**

**Git add . dot will add all the files to the repository.**

**Git commit -m “”**

**Git push origin main will not work in this folder.**

**So we have to make a folder in the git repository in git hub portal.**

**And then add the below command**

**Copy the code from the git hub repo.**

**git remote add origin** [**https://github.com/Samidurai123/localfolder.git**](https://github.com/Samidurai123/localfolder.git)

**and then change the branch name from master to main.**

**Git branch -m name**

**For renaming the branch name.**

**Git push origin main- for pushing the changes to the Git repo.**

**Branches**

**For listing git branches**

**Git branch -a**

**First create a branch in the git hub repository**

**After creating the branch,**

**Git pull from the VS to get the latest branches.**

**And then do git branch -a**

**Git checkout branchname – for switching the branches.**

**When pushing in the particular branch.**

**Git push origin branchname**

**Already in the git branch, now to know the difference between 2 branches.**

**Git diff branchname**

**Will show the differences in the 2 branches.**

**For adding the changes in the branch to the main branch, for merging the changes in my local branch to main branch.**

**When you are in the particular main branch, changes are done in the new branch.**

**Be in the main branch by checkout main.**

**Now for merging the branches.**

**Git merge “newbranch name”**

**And then to see the files in the repo.**

**Git push origin main.**

**In most of the cases, push requests in the main branch will be limited and not everybody can access it.**

**Hence you need to do the pull request, main user will verify the code and then he will merge it.**

**Git pull request**

**Conflicts**

**Both has to be done in the Git hub repository.**

In real time cases when 2 branches are there in the repo.

After cloning and getting the code.

Do see the changes in your local branch,

For pulling the changes from the main branch to your branch.

Git pull origin “Mainbranchname”

**For pushing the branch to the repo.**

git push -u origin <branch>

Git will set up the tracking information during the push.