Name: Bhavana prajapati **Class: FYIT** **Roll No: 66**

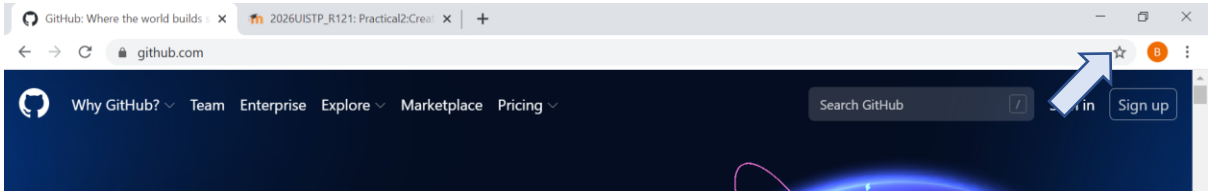
Practical No: 2

[Creating account, repository on Github and Cloning repository in Github]

1.Creating a GitHub Account:

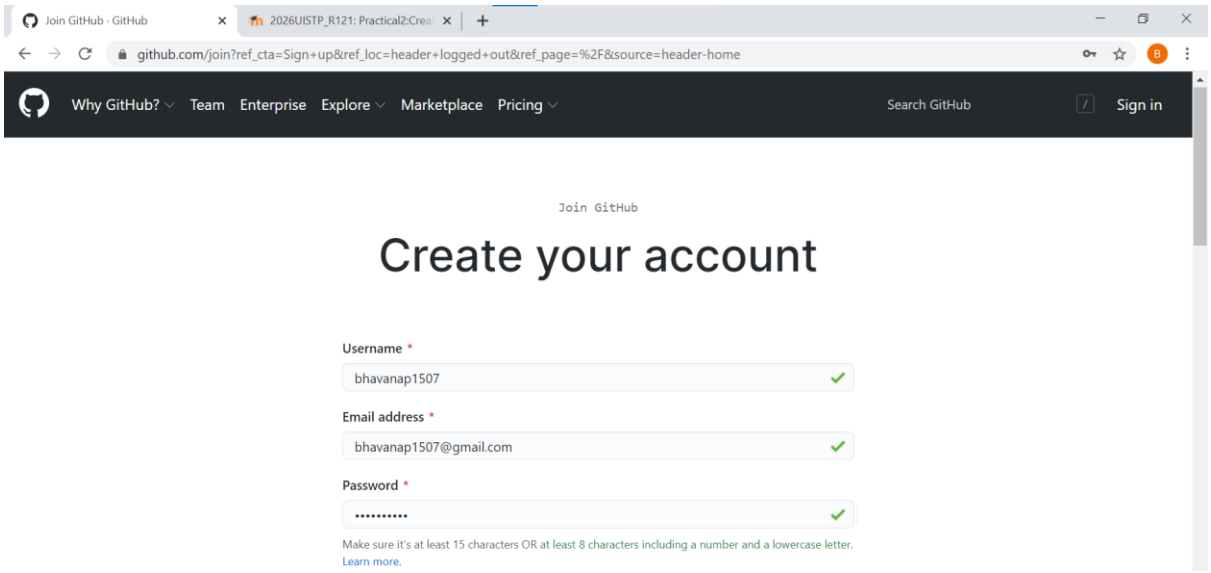
Step1:

- Go to GitHub.com and click on ***Sign Up***



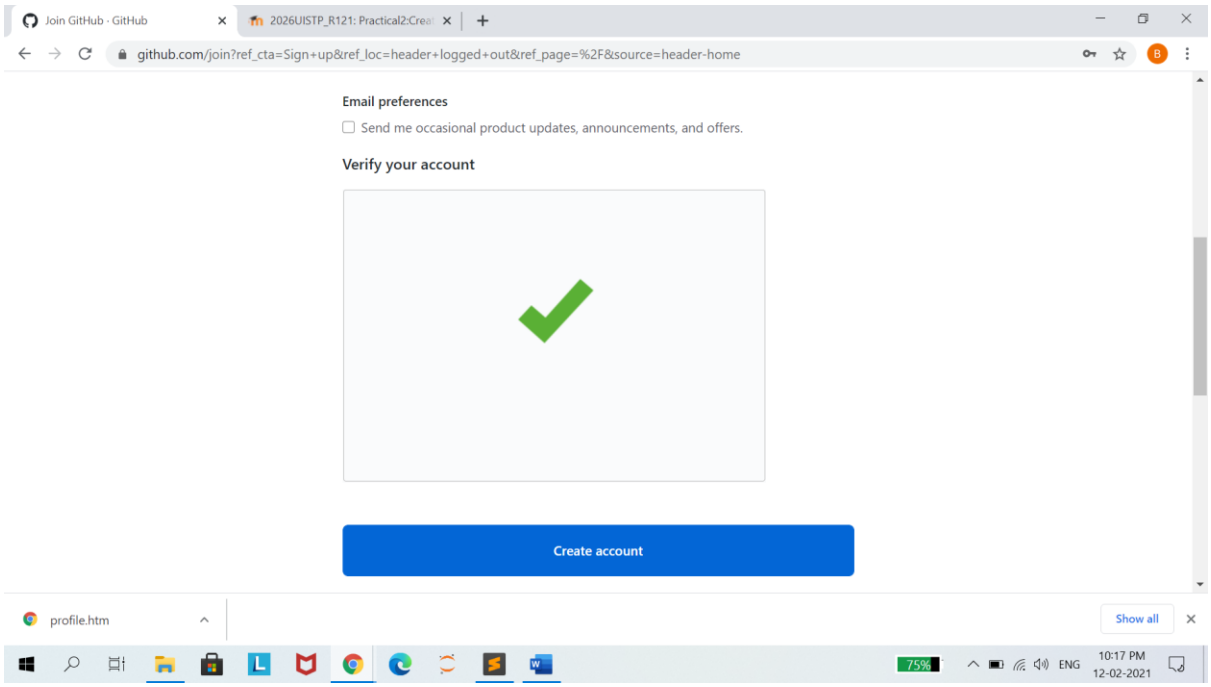
Step2:

Fill in the Proper details like Username, Email Address and Password



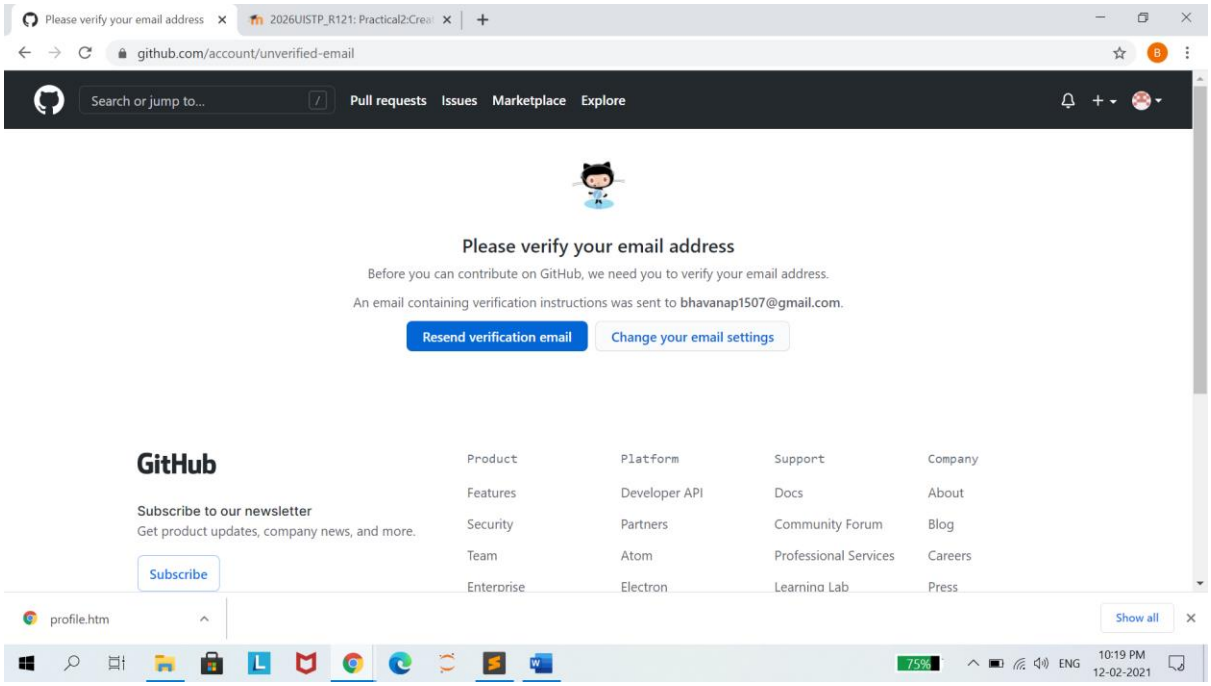
Step3:

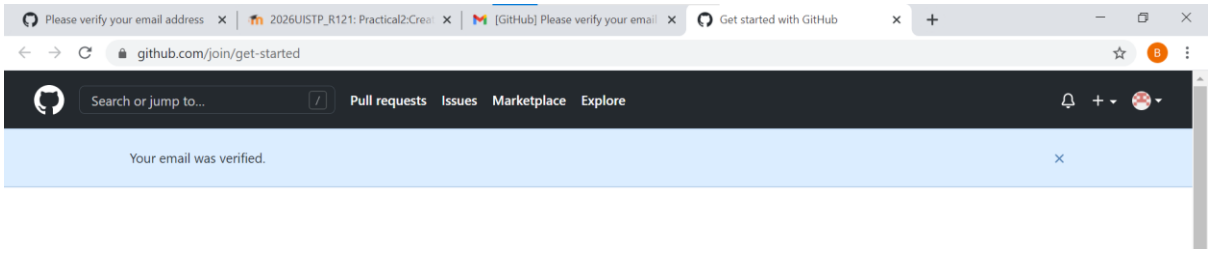
Verify the captcha and then click on ***Create Account***



Step4:

We will get an email on registered mail ID to verify the github account

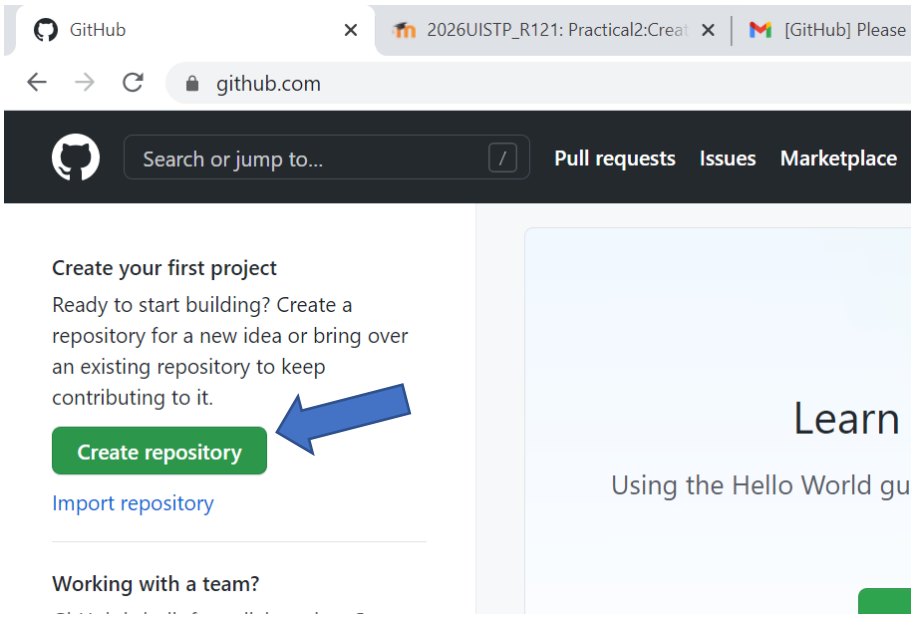




2.Creating a Repository:

Step1:

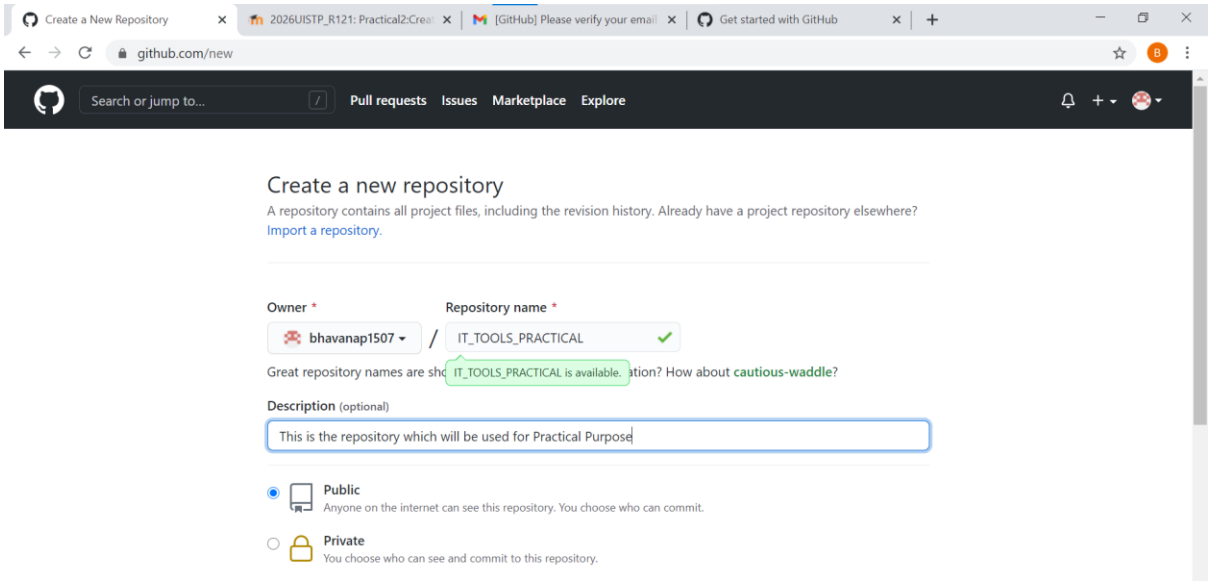
After Verifying the GitHub account, then Logon to Github account and create a new Repository by clicking on Button ***Create Repository.***



Step2:

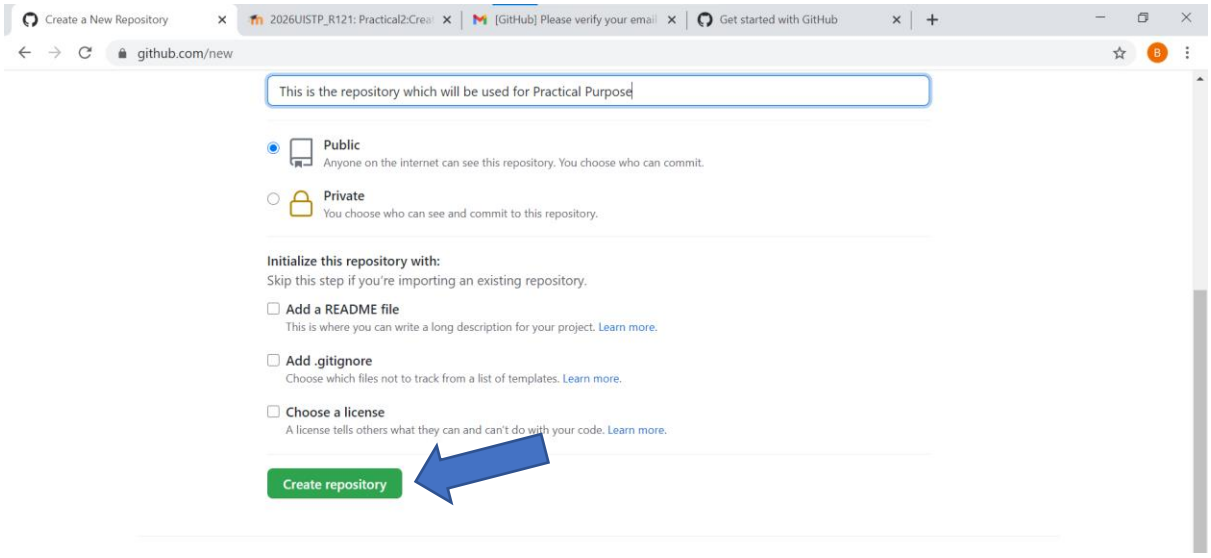
Give a ***Repository Name*** and select the option as shown below

We are creating a repository named ***IT_TOOLS_PRACTICAL***



Step3:

Click on ***Create Repository*** after filling on all the necessary details

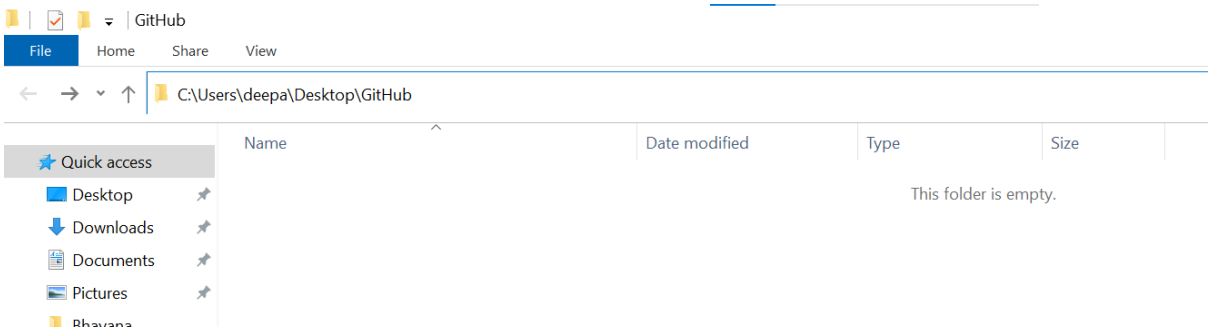


3.Cloning a Repository:

Step1:

Create a Folder on your computer where you want to clone the repository

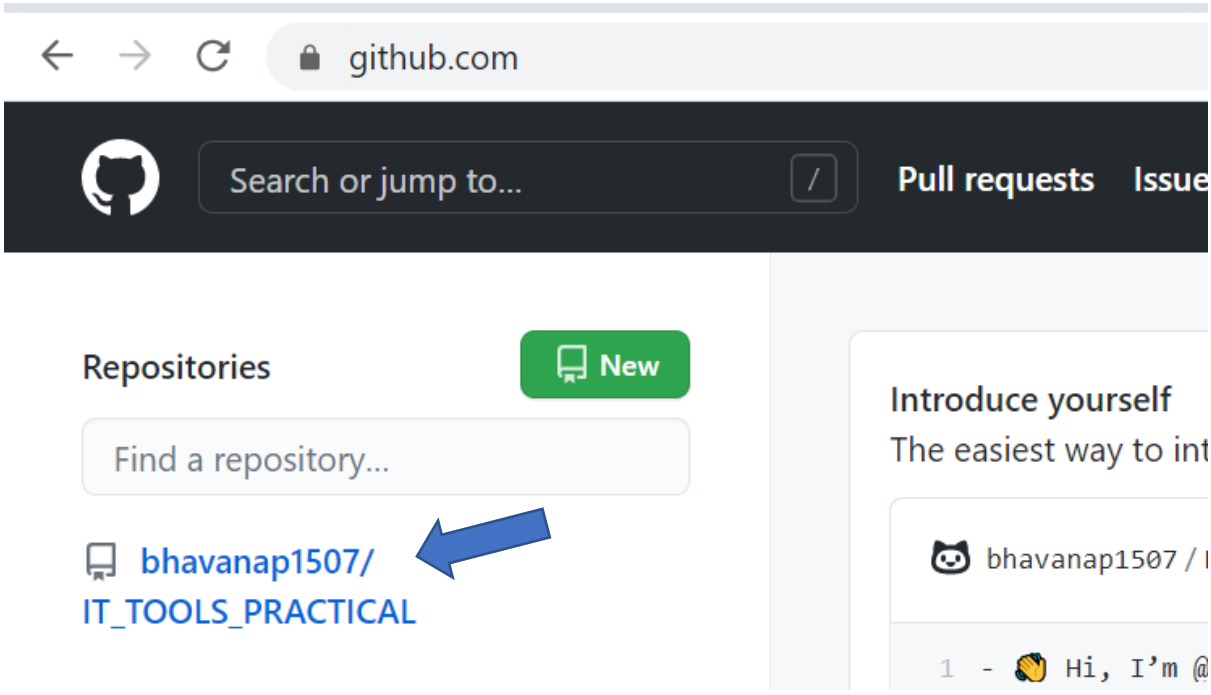
I created a ***GitHub*** Folder on my Desktop



Step2:

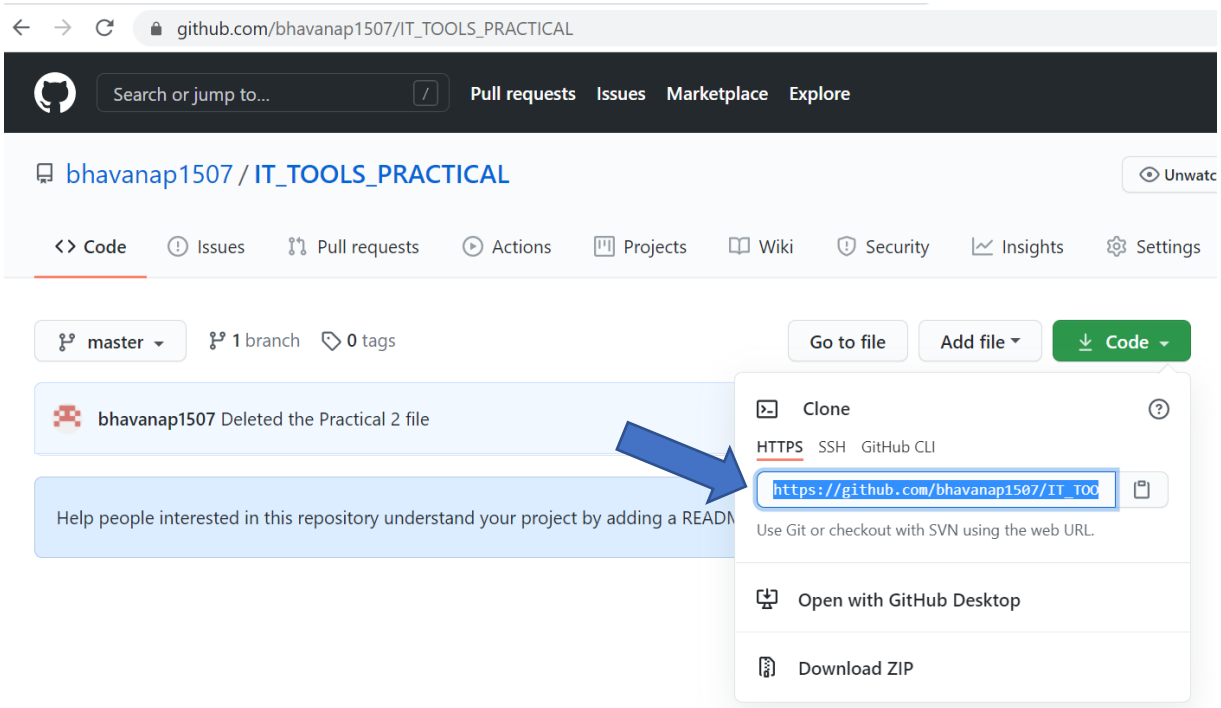
We will clone the repository ***IT_TOOLS_PRACTICAL*** which we created above.

First, We will go to the repository on the Github account which we want to clone.



Step3:

Drop down the ***Code*** button and Copy the link under ***HTTPS*** Section



Step 4:

Open ***Command Prompt*** and go to the Path where you want to clone the Repository.

Command: **`git clone <HTTPS_PATH_OF_THE_REPOSITORY>`**

Execute this command

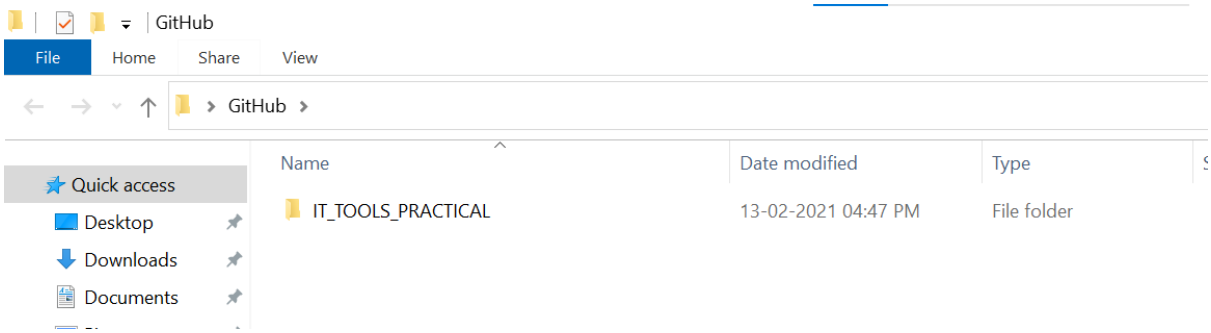
```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19041.264]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\deepa>cd Desktop/github

C:\Users\deepa\Desktop\GitHub>git clone https://github.com/bhavanap1507/IT_TOOLS_PRACTICAL.git
Cloning into 'IT_TOOLS_PRACTICAL'...
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (7/7), done.
remote: Total 9 (delta 1), reused 8 (delta 0), pack-reused 0
Receiving objects: 100% (9/9), 5.82 MiB | 1.95 MiB/s, done.
Resolving deltas: 100% (1/1), done.

C:\Users\deepa\Desktop\GitHub>
```

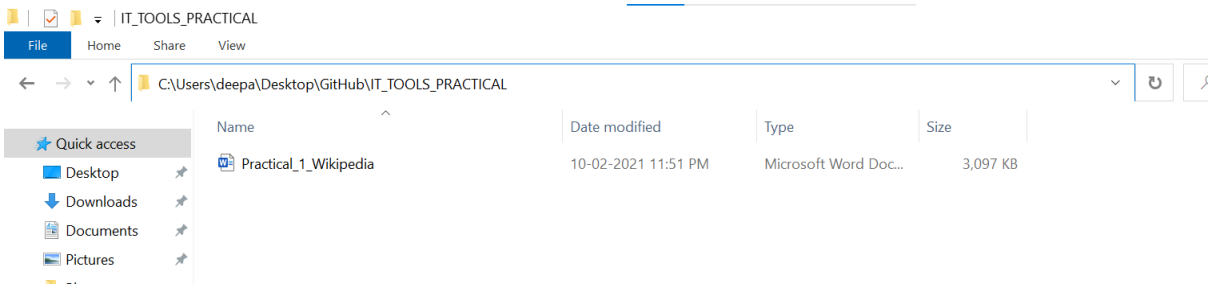
Now you can see that the Repository has been cloned to your computer



Step5:

Now, you can do the changes in the local repository.

For e.g: We are adding a ***Practical_1_Wikipedia.docx*** in the local repository



Step6:

Check the Status of the local Repository

```
C:\Users\deepa\Desktop\GitHub\IT_TOOLS_PRACTICAL>git status
On branch master
Your branch is up to date with 'origin/master'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Practical_1_Wikipedia.docx

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\deepa\Desktop\GitHub\IT_TOOLS_PRACTICAL>
```

Now we will try to add the newly made changes in the Staging area before pushing the final changes to the Github repository

Adding changes to Staging Area

Command: **`git add <FILE_NAME_SHOWN_IN_GIT_STATUS>`**

Execute this command

```
C:\Users\deepa\Desktop\GitHub\IT_TOOLS_PRACTICAL>git add Practical_1_Wikipedia.docx

C:\Users\deepa\Desktop\GitHub\IT_TOOLS_PRACTICAL>git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   Practical_1_Wikipedia.docx
```

Committing the changes

Command: **`git commit -m "Meaningful Message relevant to changes"`**

```
C:\Users\deepa\Desktop\GitHub\IT_TOOLS_PRACTICAL>git commit -m "Adding Practical 1 to the Github Repository"
[master 39c27d1] Adding Practical 1 to the Github Repository
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Practical_1_Wikipedia.docx

C:\Users\deepa\Desktop\GitHub\IT TOOLS PRACTICAL>_
```

This is the final stage, Pushing the changes to the GitHub Repository

Command: **`git push`**

```
C:\Users\deepa\Desktop\GitHub\IT_TOOLS_PRACTICAL>git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 6 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 2.91 MiB | 1.22 MiB/s, done.
Total 3 (delta 0), reused 1 (delta 0), pack-reused 0
To https://github.com/bhavanap1507/IT_TOOLS_PRACTICAL.git
   d38ac87..39c27d1  master -> master

C:\Users\deepa\Desktop\GitHub\IT_TOOLS_PRACTICAL>_
```

Now we can see that the changes have been reflected in the GitHub Repository.