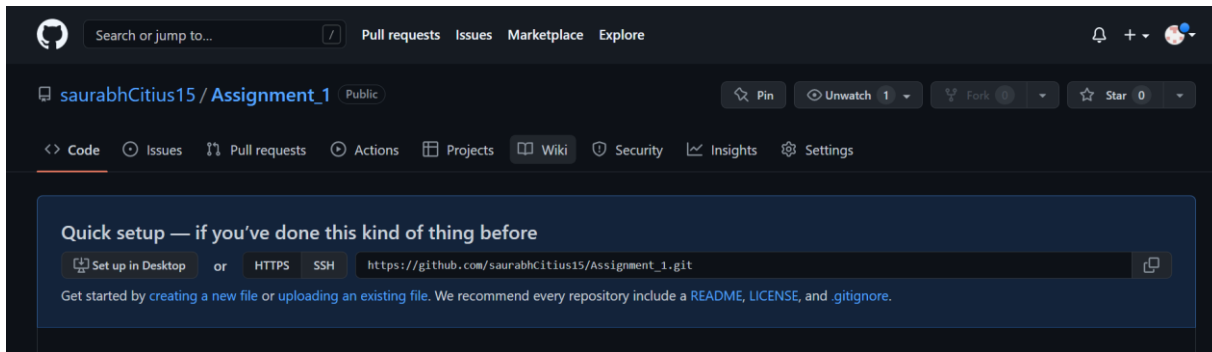


Assignment – 1

1. Create a remote git hub repository using Git Hub.



2. Clone the repository on your local machine.

```
MUMBAI1+SaurabhL2@CTAADPG038PVA MINGW64 ~/OneDrive - CitiusTech/Documents/Assignments/GIT
$ git clone https://github.com/saurabhCitius15/Assignment_1.git
Cloning into 'Assignment_1'...
warning: You appear to have cloned an empty repository.
```

3. Using git config, set the username & email to your name and your CT email id respectively.

```
MUMBAI1+SaurabhL2@CTAADPG038PVA MINGW64 ~/OneDrive - CitiusTech/Documents/Assignments/GIT
$ git config --global user.name saurabhCitius15

MUMBAI1+SaurabhL2@CTAADPG038PVA MINGW64 ~/OneDrive - CitiusTech/Documents/Assignments/GIT
$ git config --global user.email Saurabh.Lengare@citius.com
```

4. Create two empty text files named f1.txt and f2.txt inside the cloned repository.

```
MUMBAI1+SaurabhL2@CTAADPG038PVA MINGW64 ~/OneDrive - CitiusTech/Documents/Assignments/GIT/Assignment_1 (main)
$ touch f1.txt

MUMBAI1+SaurabhL2@CTAADPG038PVA MINGW64 ~/OneDrive - CitiusTech/Documents/Assignments/GIT/Assignment_1 (main)
$ touch f2.txt
```

5. Commit and push the changes to the remote repository

```
MUMBAI1+SaurabhL2@CTAADPG038PVA MINGW64 ~/OneDrive - CitiusTech/Documents/Assignments/GIT/Assignment_1 (main)
$ git add .

MUMBAI1+SaurabhL2@CTAADPG038PVA MINGW64 ~/OneDrive - CitiusTech/Documents/Assignments/GIT/Assignment_1 (main)
$ git commit -m "files added"
[main (root-commit) 2f392c2] files added
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 f1.txt
 create mode 100644 f2.txt

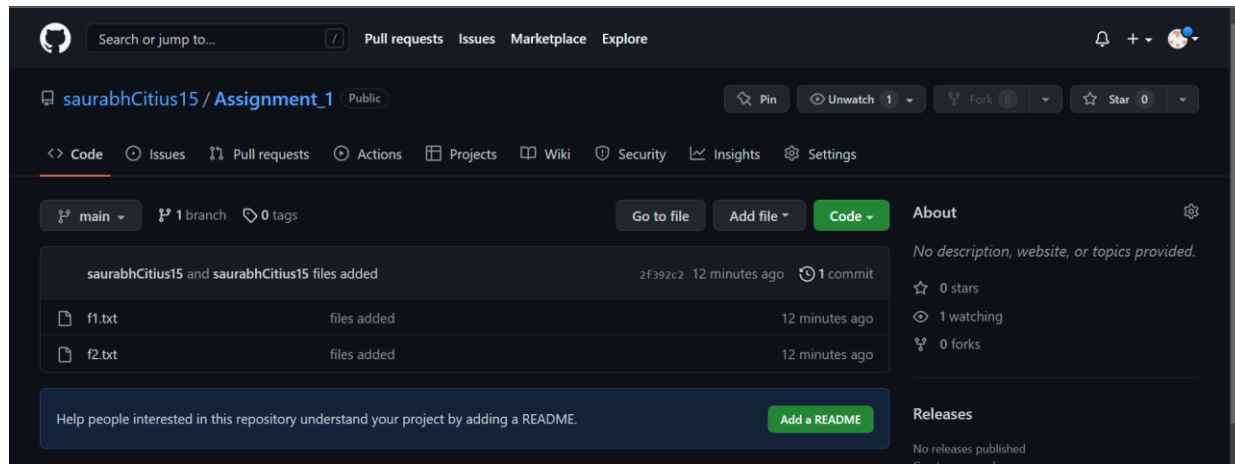
MUMBAI1+SaurabhL2@CTAADPG038PVA MINGW64 ~/OneDrive - CitiusTech/Documents/Assignments/GIT/Assignment_1 (main)
$ git push origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 222 bytes | 222.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/saurabhCitius15/Assignment_1.git
 * [new branch]      main -> main
```

6. Check the status of the local repo.

```
MUMBAI1+SaurabhL2@CTAADPG038PVA MINGW64 ~/OneDrive - CitiusTech/Documents/Assignments/GIT/Assignment_1 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

7. Go to the remote repository & check what files are present



8. Add some text in f2.txt and save the changes.



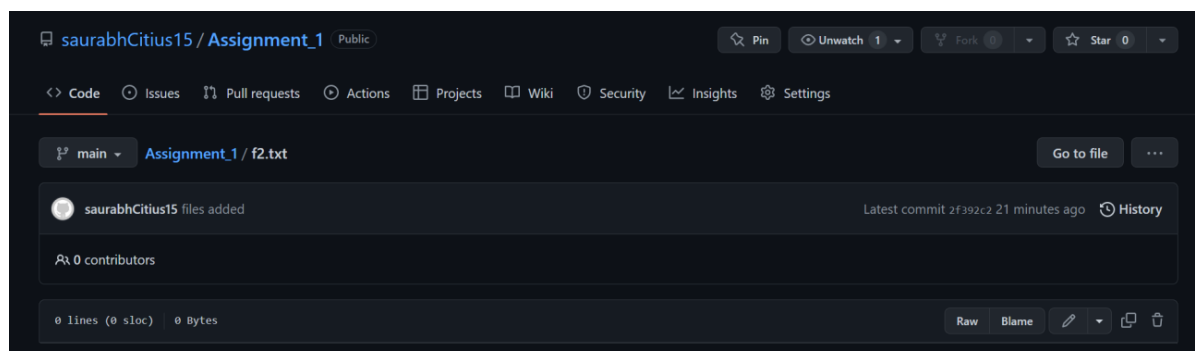
9. Check the status of the local repo.

```
MUMBAI1+SaurabhL2@CTAADPG038PVA MINGW64 ~/OneDrive - CitiusTech/Documents/Assignments/GIT/Assignment_1 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   f2.txt

no changes added to commit (use "git add" and/or "git commit -a")
```

10. Go to the remote repository & check the contents of f2.txt. What do you see and why?



As we do not have committed and pushed the file to our remote repository the saved changes in the local repository are not reflected.

11. Add the file f2.txt into staging.

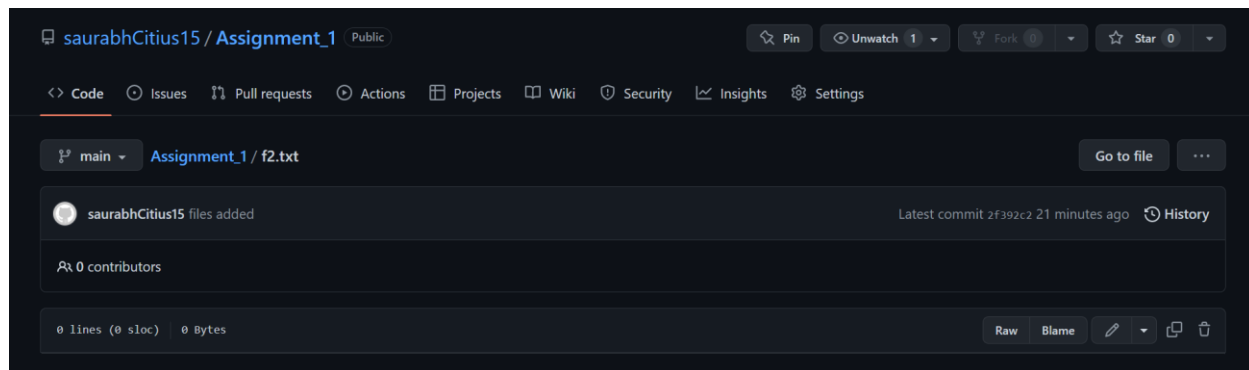
```
MUMBAI1+SaurabhL2@CTAADPG038PVA MINGW64 ~/OneDrive - CitiusTech/Documents/Assignments/GIT/Assignment_1 (main)
$ git add f2.txt
```

12. Check the status of the local repo.

```
MUMBAI1+SaurabhL2@CTAADPG038PVA MINGW64 ~/OneDrive - CitiusTech/Documents/Assignments/GIT/Assignment_1 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   f2.txt
```

13. Go to the remote repository & check the contents of f2.txt. What do you see and why?



The file in remote repository is still empty as we did not committed and pushed the file.

14. Use appropriate Git commands to push the changes to the remote repository.

```
MUMBAI1+SaurabhL2@CTAADPG038PVA MINGW64 ~/OneDrive - CitiusTech/Documents/Assignments/GIT/Assignment_1 (main)
$ git commit -m "new update"
[main 4f87daa] new update
1 file changed, 1 insertion(+)

MUMBAI1+SaurabhL2@CTAADPG038PVA MINGW64 ~/OneDrive - CitiusTech/Documents/Assignments/GIT/Assignment_1 (main)
$ git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 291 bytes | 291.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/saurabhCitius15/Assignment_1.git
2f392c2..4f87daa main -> main
```

