Experiment -2.3

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Section/Group: 22BCD-1/A
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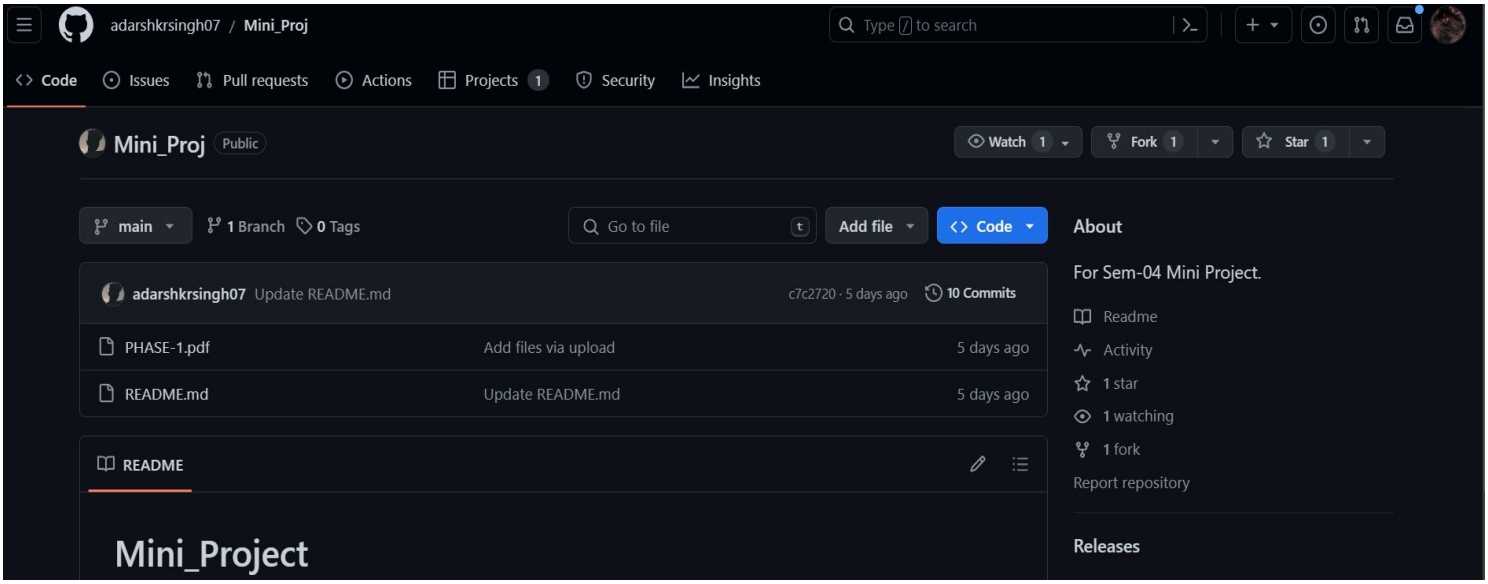
Subject Name: Git and Hub
Subject Code: 22CSH-293

1. **Aim/Overview of the practical:** Creation of forks on Github.

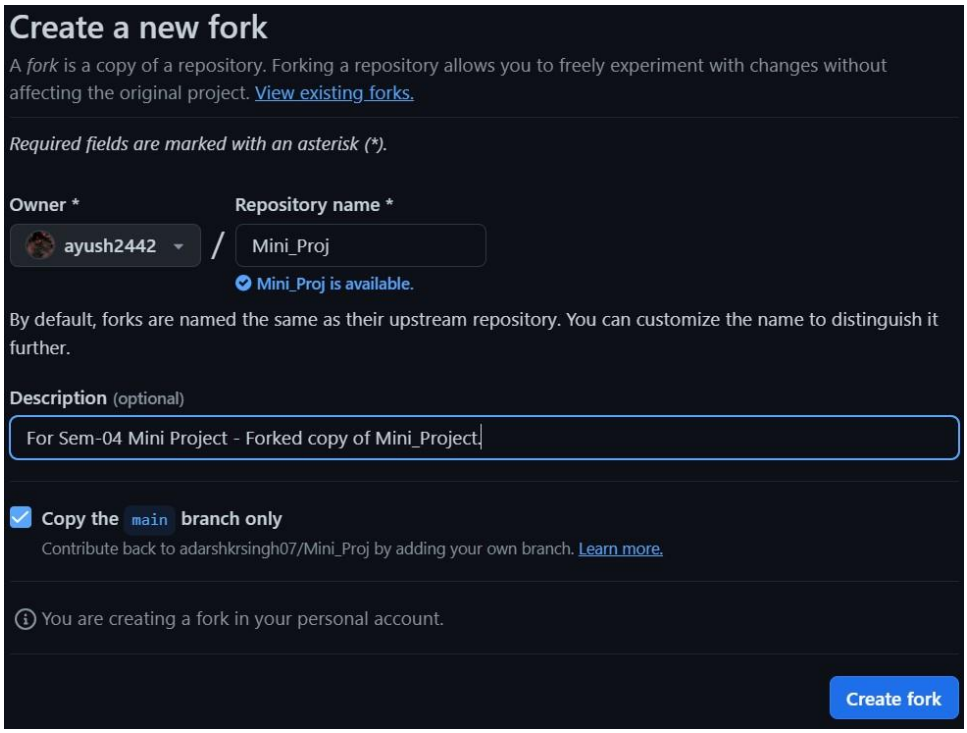
2. **Software Used:** Git Bash, GitHub.

3. **Steps for experiment/practical:**

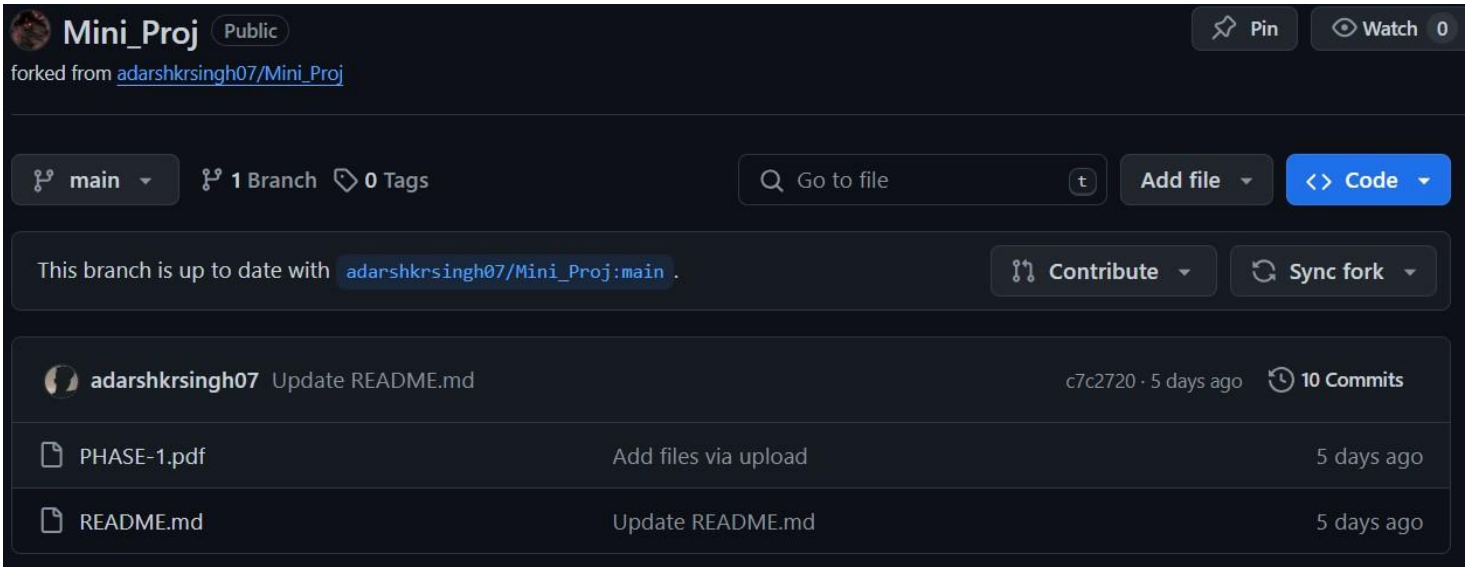
- Click on the search bar of your profile and search for the repository that you want to fork i.e **adarshkrsingh07/Mini_Proj**
- Click on the **fork** icon.



- You can select the **owner** and **repository** name as per your choice, add some **description** and click on **create fork**.



- Now, you have forked the repository and you have the ownership of that repository under your name in your account.



- Now, clone the repo in your local system or environment using **git clone**.
- Create a file in the repo , i.e. **ATM.txt** , add it to the staging area using **git add** and then commit the changes using **git commit**.

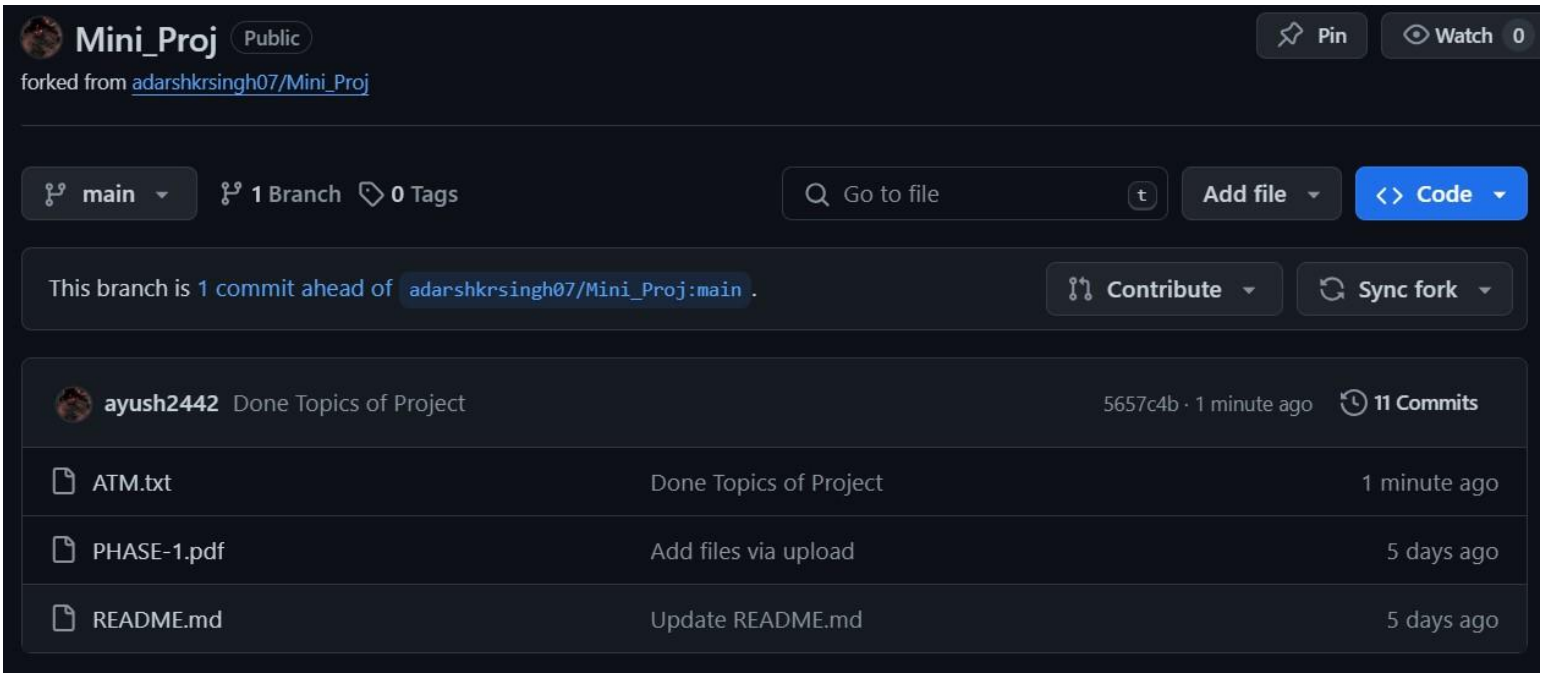
❖ Push the changes to the **remote** branch from the local environment.

```
Ayush Pandey@Ayush MINGW64 /d/Git
$ git clone https://github.com/ayush2442/Mini_Proj.git
Cloning into 'Mini_Proj'...
remote: Enumerating objects: 27, done.
remote: Counting objects: 100% (27/27), done.
remote: Compressing objects: 100% (25/25), done.
remote: Total 27 (delta 3), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (27/27), 2.18 MiB | 245.00 KiB/s, done.
Resolving deltas: 100% (3/3), done.
```

```
Ayush Pandey@Ayush MINGW64 /d/Git
$ cd Mini_Proj

Ayush Pandey@Ayush MINGW64 /d/Git/Mini_Proj (main)
$ vi ATM.txt
```

```
Ayush Pandey@Ayush MINGW64 /d/Git/Mini_Proj (main)
$ git add ATM.txt

Ayush Pandey@Ayush MINGW64 /d/Git/Mini_Proj (main)
$ git commit -m "Done Topics of Project"
[main 5657c4b] Done Topics of Project
 1 file changed, 3 insertions(+)
 create mode 100644 ATM.txt

Ayush Pandey@Ayush MINGW64 /d/Git/Mini_Proj (main)
$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 377 bytes | 377.00 KiB/s, done
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/ayush2442/Mini_Proj.git
   c7c2720..5657c4b  main -> main
```

❖ You can now view the file in the remote repo.



4. Result/Output/Writing Summary:

In this experiment, we have forked a github repo and have claimed a local ownership under our account, and added a file in it.

Learning outcomes (What I have learnt):

1. Learnt how to create a branch.

2. Learnt how to clone a remote repo to our local system.

3. Learnt how to create a pull request and handle their merging.

4. Learnt to merge two branches.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			