Experiment -2.3

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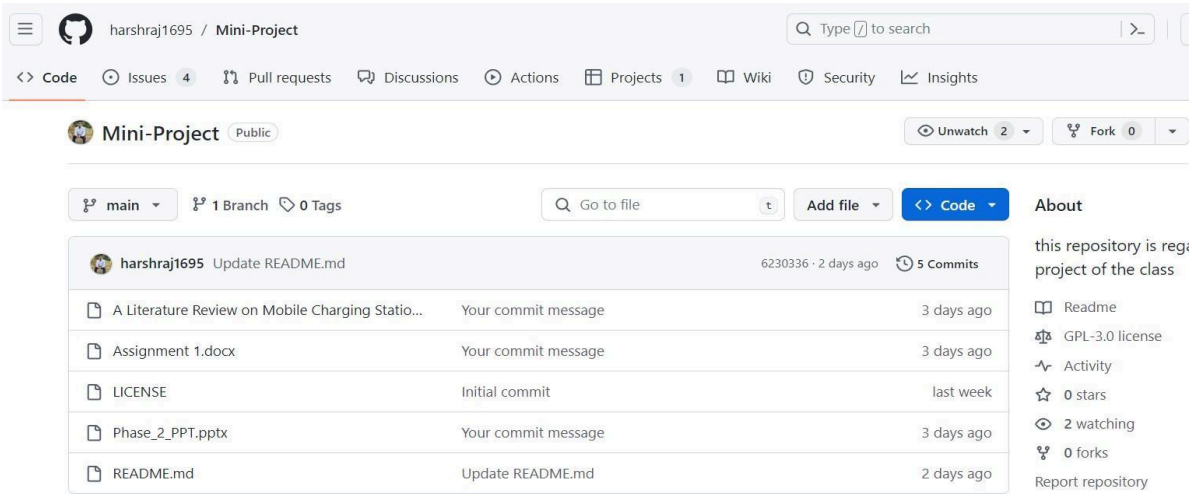
Subject Name: Git and Hub
Subject Code: 22CSH-293

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

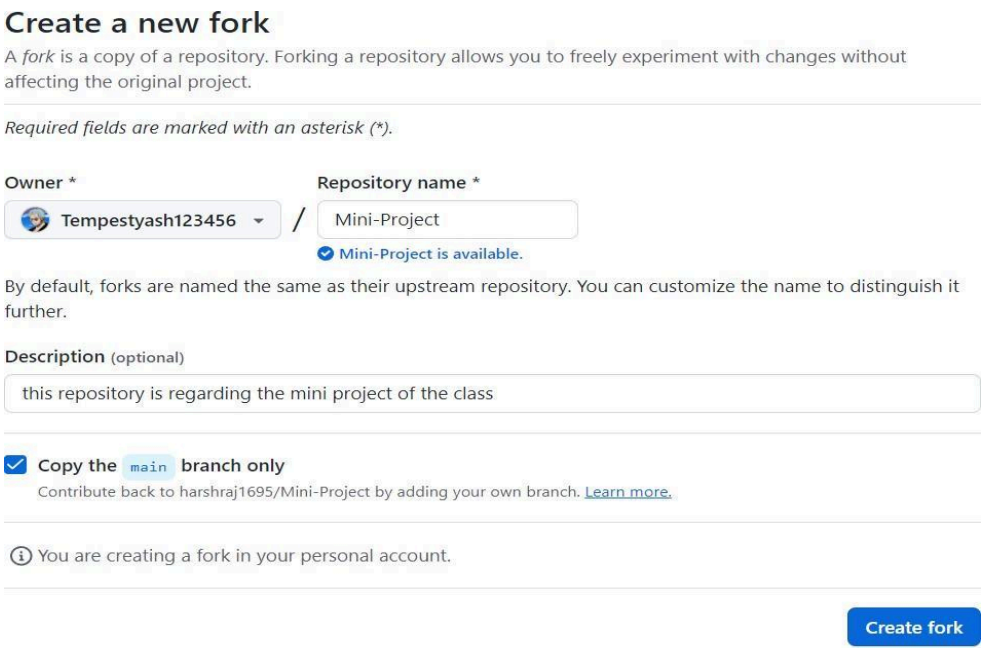
2. **Software Used:** Git Bash, GitHub.

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

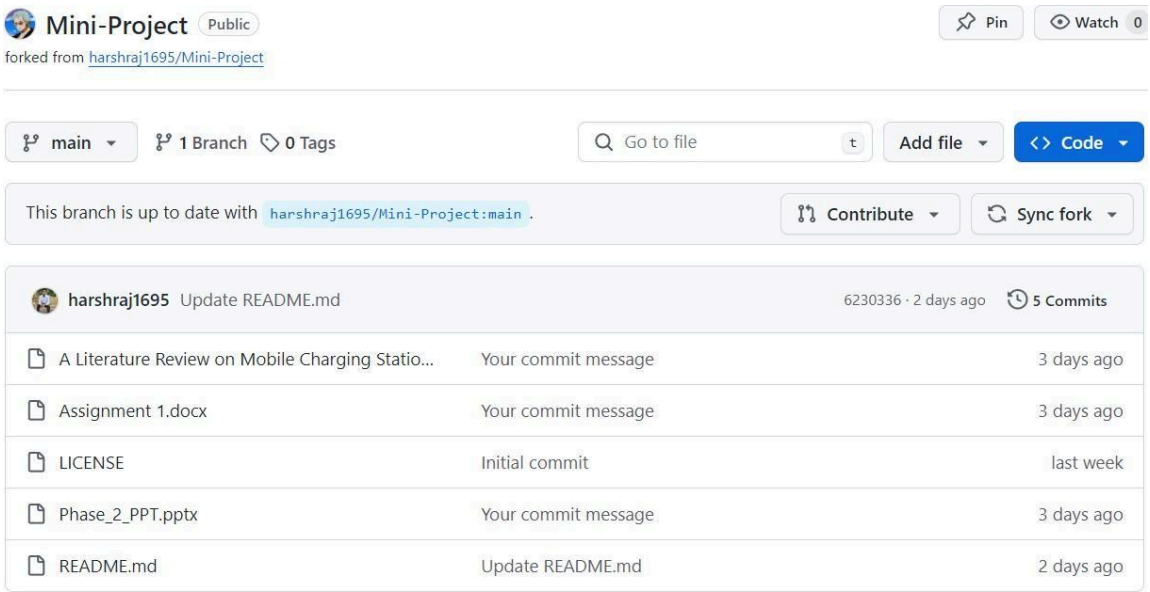
- Click on the search bar of your profile and search for the repository that you want to fork , eg, **harshraj1625/Mini-Project**.
- Click on the **fork** icon.



- You can select the **owner** and **repo** 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 repo under your name in your account.



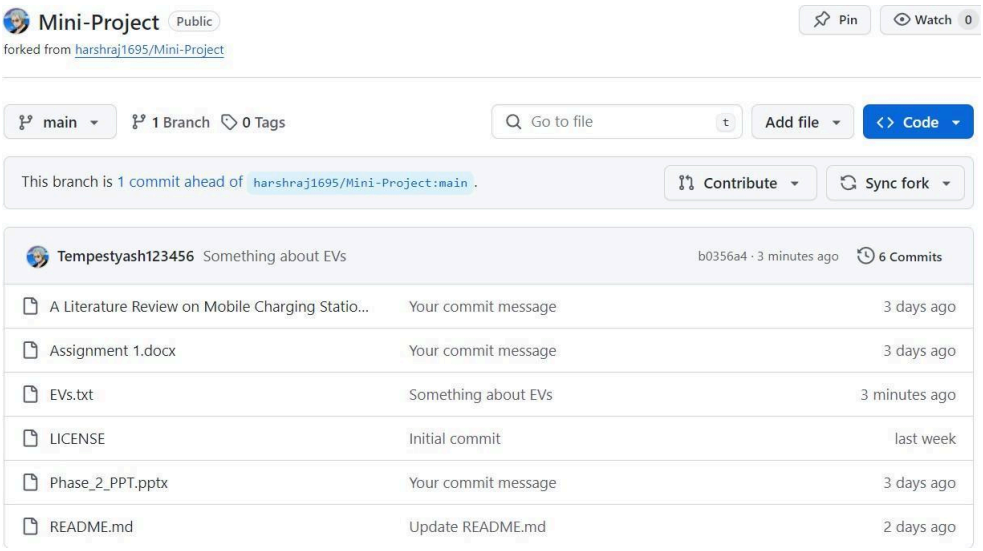
- Now, clone the repo in your local system or environment using **git clone**.
- Create a file in the repo , eg, **EVs.txt** , add it to the staging area using **git add** and then commit the changes using **git commit**.

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

```
yashd@Tempestation MINGW64 /f/Git Tutorials
$ git clone https://github.com/Tempestyash123456/Mini-Project.git
Cloning into 'Mini-Project'...
remote: Enumerating objects: 16, done.
remote: Counting objects: 100% (16/16), done.
remote: Compressing objects: 100% (16/16), done.
remote: Total 16 (delta 2), reused 5 (delta 0), pack-reused 0
Receiving objects: 100% (16/16), 14.97 MiB | 7.68 MiB/s, done.
Resolving deltas: 100% (2/2), done.

yashd@Tempestation MINGW64 /f/Git Tutorials
$ cd M
Mastering Git.pdf  Mini-Project/

yashd@Tempestation MINGW64 /f/Git Tutorials
$ cd Mini-Project

yashd@Tempestation MINGW64 /f/Git Tutorials/Mini-Project (main)
$ touch EVs.txt

yashd@Tempestation MINGW64 /f/Git Tutorials/Mini-Project (main)
$ vi EVs.txt
```

```
yashd@Tempestation MINGW64 /f/Git Tutorials/Mini-Project (main)
$ git add EVs.txt
warning: in the working copy of 'EVs.txt', LF will be replaced by CRLF the next
time Git touches it

yashd@Tempestation MINGW64 /f/Git Tutorials/Mini-Project (main)
$ git commit -m "Something about EVs"
[main b0356a4] Something about EVs
 1 file changed, 1 insertion(+)
 create mode 100644 EVs.txt

yashd@Tempestation MINGW64 /f/Git Tutorials/Mini-Project (main)
$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 620 bytes | 620.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Tempestyash123456/Mini-Project.git
   6230336..b0356a4  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.			