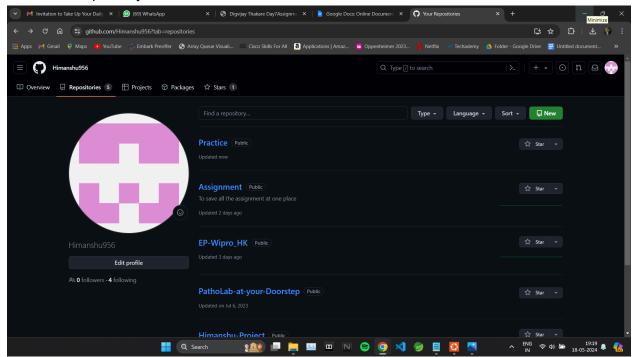
Assignment 1: Initialize a new Git repository in a directory of your choice. Add a simple text file to the repository and make the first commit.

Answer=>

1. Created a Repository named "Practice"



2. Added a text file "Hi.txt" in the repository using the git commands

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22621.3593]
(c) Microsoft Corporation. All rights reserved.
G:\New folder>git init
Initialized empty Git repository in G:/New folder/.git/
G:\New folder>git remote add origin https://github.com/Himanshu956/Practice.git
G:\New folder>git add .
G:\New folder>git status
On branch master
No commits yet
Changes to be committed:

(use "git rm --cached <file>..." to unstage)

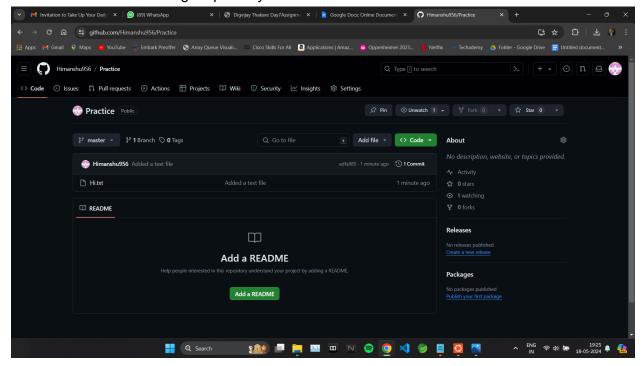
new file: Hi.txt
G:\New folder>git commit -m "Added a text file"
[master (root-commit) adfa985] Added a text file
1 file changed, 1 insertion(+)
create mode 100644 Hi.txt
G:\New folder>git push origin master
Enumerating objects: 3, done.

Counting objects: 100% (3/3), done.

Writing objects: 100% (3/3), 223 bytes | 223.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Himanshu956/Practice.git
 * [new branch]
                           master -> master
G:\New folder>_
```

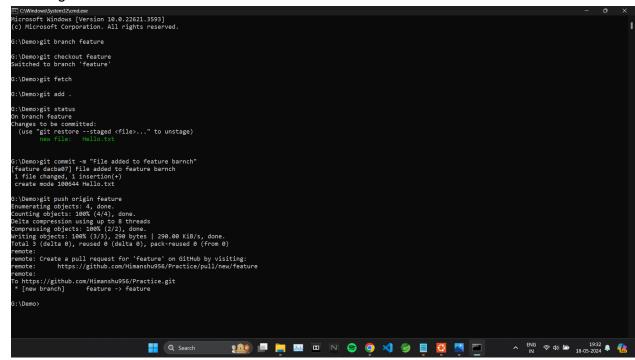
3. The file is reflected on the git repository



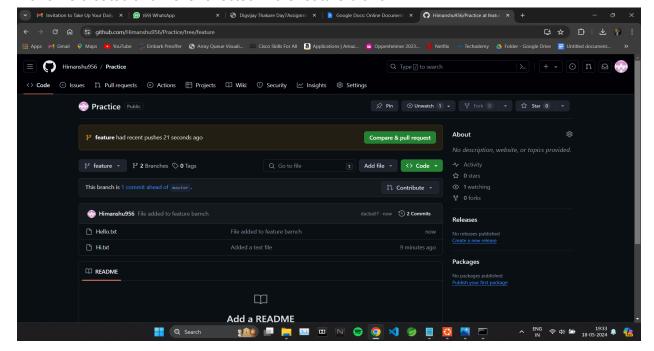
Assignment 2: Branch Creation and Switching Create a new branch named 'feature' and switch to it. Make changes in the 'feature' branch and commit them.

Answer=>

1. Created a branch called "feature" and added a file "Hello.txt" in the feature branch using following commands



2. Branch is created and file is reflected in the feature branch



Assignment 3: Feature Branches and Hotfixes Create a 'hotfix' branch to fix an issue in the main code. Merge the 'hotfix' branch into 'main' ensuring that the issue is resolved.

Answer=>

1. Created a HotFix branch and pushed a file using commands

```
Microsoft Windows [Version 10.0.22621.3593]
(c) Microsoft Corporation. All rights reserved.
  :\Demo>git branch HotFix
G:\Demo>git branch
HotFix
   master
G:\Demo>git checkout HotFix
Switched to branch 'HotFix'
G:\Demo>git fetch
G:\Demo>git add .
G:\Demo>git status
G:\Demo>git commit -m "File added in HotFix branch"
[HotFix 0892ble] File added in HotFix branch
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Details.txt
G:\Demo>git push origin HotFix
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 319 bytes | 319.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
  remote: Create a pull request for 'HotFix' on GitHub by visiting: remote: https://github.com/Himanshu956/Practice/pull/new/HotFix
  emote:
o https://github.com/Himanshu956/Practice.git
                                  HotFix -> HotFi>
                                                               Q Search
                                                                                                     🔃 📮 🔚 💹 🔳 🔃 🗑 🤿 🔰 🥌 🖺 🔯 🔼
```

2. Merging HotFix branch to the master branch

3. Confirming merge request

