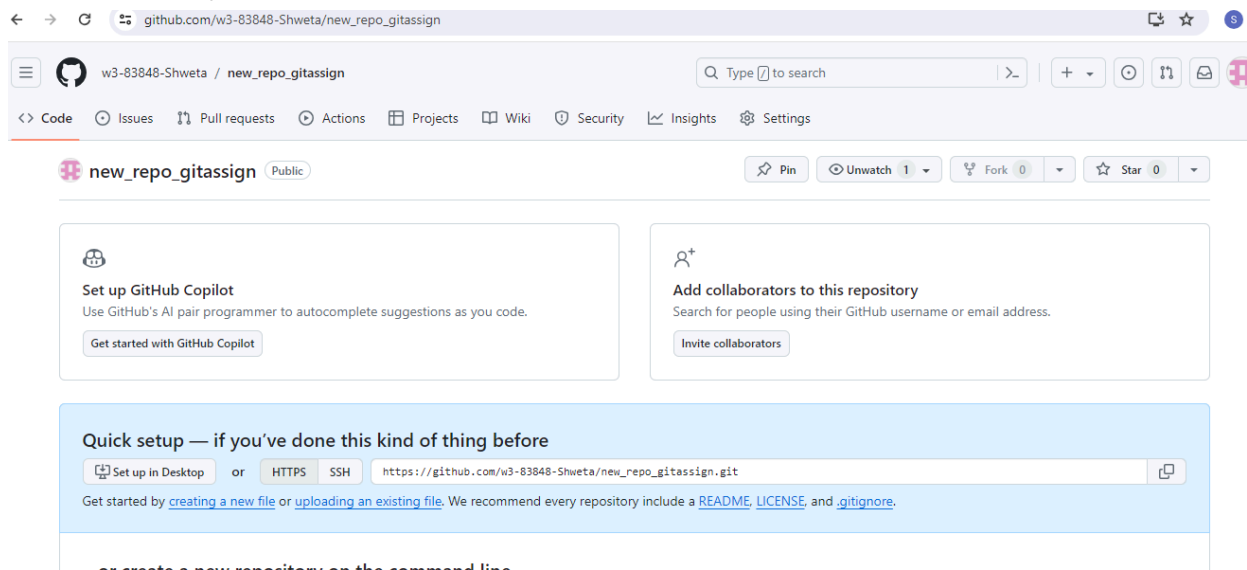# Assignment no 6

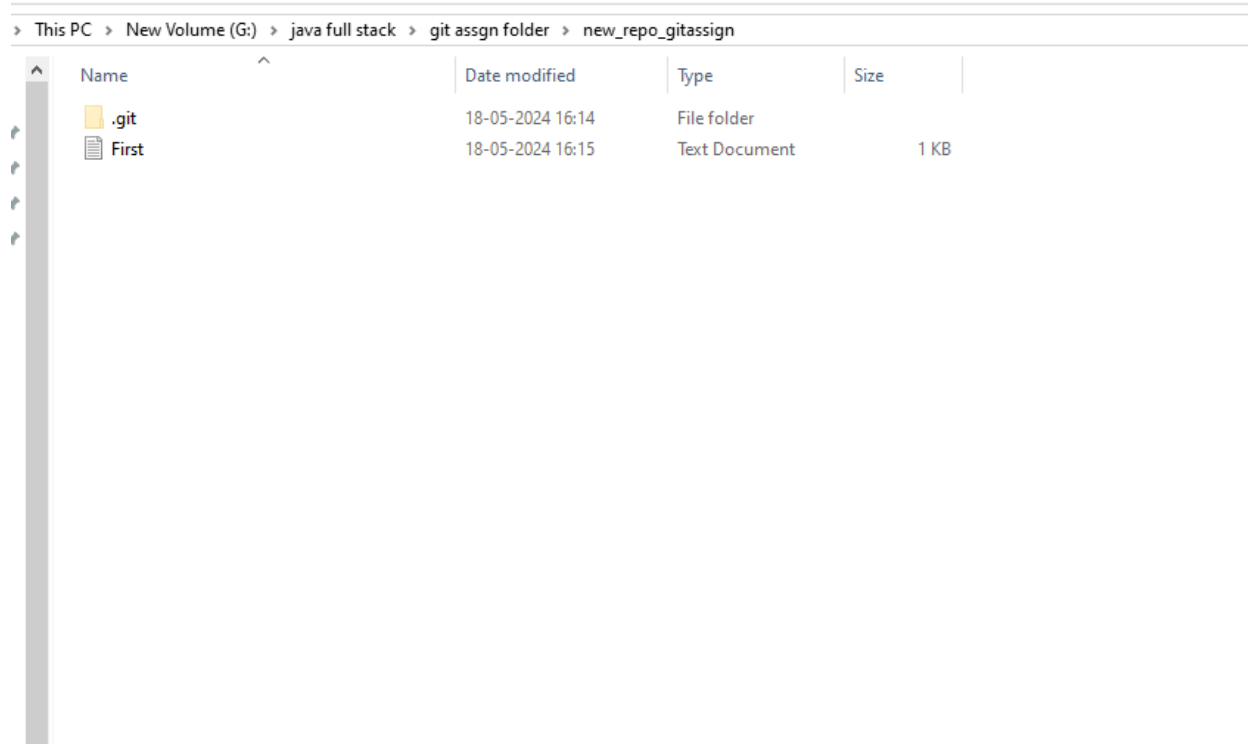**1]** Initialize a new Git repository in a directory of your choice. Add a simple text file to the repository and make the first commit.
Solution:-
Git repository before added a file -

Created a text file in Local Repository -

Name	Date modified	Type	Size
.git	18-05-2024 16:14	File folder	
First	18-05-2024 16:15	Text Document	1 KB

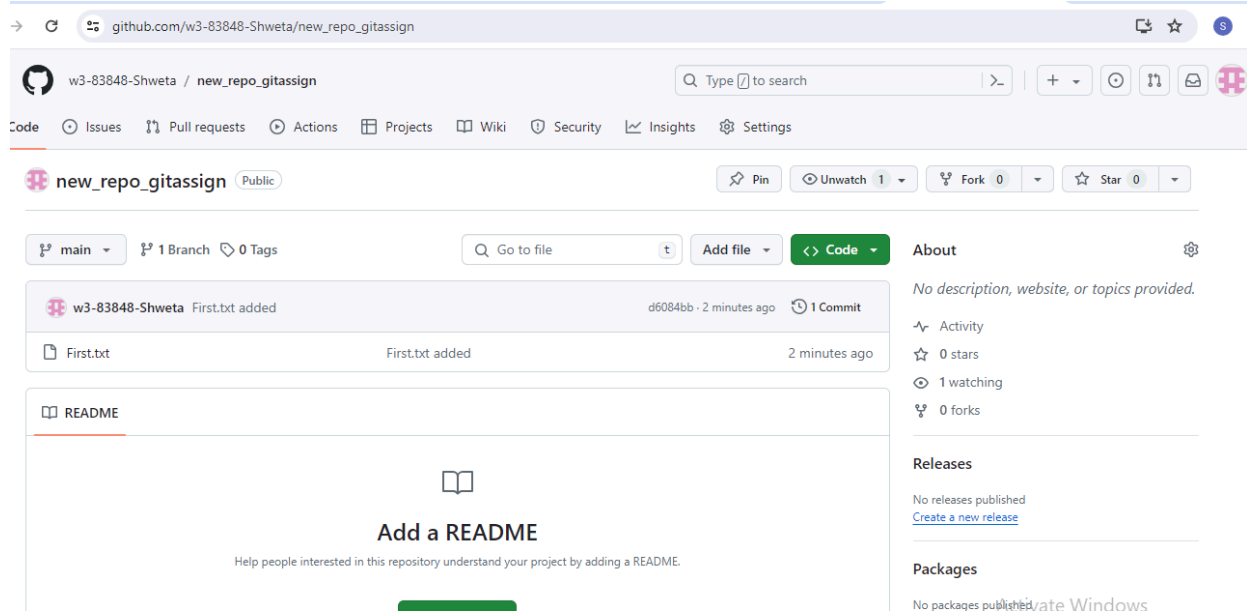File committed from local repository to remote repository -

MINGW64:/g/java full stack/git assgn folder/new_repo_gitassign

```
Admin@DESKTOP-0NKF05E MINGW64 /g/java full stack/git assgn folder/new_repo_gitas
sign (main)
$ git add .

Admin@DESKTOP-0NKF05E MINGW64 /g/java full stack/git assgn folder/new_repo_gitas
sign (main)
$ git commit -m "First.txt added"
[main (root-commit) d6084bb] First.txt added
 1 file changed, 2 insertions(+)
 create mode 100644 First.txt

Admin@DESKTOP-0NKF05E MINGW64 /g/java full stack/git assgn folder/new_repo_gitas
sign (main)
$ git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 246 bytes | 246.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/w3-83848-Shweta/new_repo_gitassign.git
 * [new branch]      main -> main

Admin@DESKTOP-0NKF05E MINGW64 /g/java full stack/git assgn folder/new_repo_gitas
sign (main)
$
```

Added file to git Remote Repository -

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

Solution:-

```
Admin@DESKTOP-0NKF05E MINGW64 /g/java full stack/git assgn folder/new_repo_gitas
sign (main)
$ git branch feature

Admin@DESKTOP-0NKF05E MINGW64 /g/java full stack/git assgn folder/new_repo_gitas
sign (main)
$ git branch -l
  feature
* main

Admin@DESKTOP-0NKF05E MINGW64 /g/java full stack/git assgn folder/new_repo_gitas
sign (main)
$ git checkout feature
Switched to branch 'feature'

Admin@DESKTOP-0NKF05E MINGW64 /g/java full stack/git assgn folder/new_repo_gitas
sign (feature)
$ touch one.txt

Admin@DESKTOP-0NKF05E MINGW64 /g/java full stack/git assgn folder/new_repo_gitas
sign (feature)
$ vim one.txt

Admin@DESKTOP-0NKF05E MINGW64 /g/java full stack/git assgn folder/new_repo_gitas
sign (feature)
$ git add .
warning: in the working copy of 'one.txt', LF will be replaced by CRLF the next
time Git touches it

Admin@DESKTOP-0NKF05E MINGW64 /g/java full stack/git assgn folder/new_repo_gitas
sign (feature)
$ git commit -m "one.txt is added in feature branch"
```

```
Admin@DESKTOP-0NKF05E MINGW64 /g/java full stack/git assgn folder/new_repo_gitas
sign (feature)
$ git commit -m "one.txt is added in feature branch"
[feature c71ae30] one.txt is added in feature branch
 1 file changed, 2 insertions(+)
 create mode 100644 one.txt
```

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.

Solution:-

```
Admin@DESKTOP-ONKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (main)
$ vim code1.txt

Admin@DESKTOP-ONKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (main)
$ cat code1.txt
class Main
{
        public static void main(String[] args)
        {
                char a=10;
                System.out.println(a);
                }
                }

Admin@DESKTOP-ONKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (main)
$ git add .
warning: in the working copy of 'code1.txt', LF will be replaced by CRLF the nex
t time Git touches it

Admin@DESKTOP-ONKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (main)
$ git commit -m "code1.txt have issue in variable declration"
[main 0669c33] code1.txt have issue in variable declration
 2 files changed, 8 insertions(+)
 create mode 100644 1
 create mode 100644 code1.txt

Admin@DESKTOP-ONKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (main)
$ git branch hotfix

Admin@DESKTOP-ONKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (main)
$ git checkout hotfix
Switched to branch 'hotfix'
```

```
Admin@DESKTOP-ONKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (hotfix)
$ git merge main
Already up to date.

Admin@DESKTOP-ONKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (hotfix)
$ ls
1               code1.txt  f1.txt  f4.txt      logs/            one.txt
README.md       demo.txt   f2.txt  file1.java  mylogfile.txt    second.txt
a1.txt          demo2.txt  f3.txt  first.txt   new.txt          two.txt

Admin@DESKTOP-ONKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (hotfix)
$ cat


Admin@DESKTOP-ONKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (hotfix)
$ cat code1.txt
class Main
{
        public static void main(String[] args)
        {
                char a=10;
                System.out.println(a);
                }
                }

Admin@DESKTOP-ONKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (hotfix)
$ vim code1.txt

Admin@DESKTOP-ONKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (hotfix)
$ git push origin hotfix
Enumerating objects: 29, done.
Counting objects: 100% (29/29), done.
```

```
Admin@DESKTOP-0NKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (hotfix)
$ cat code1.txt
class Main
{
        public static void main(String[] args)
        {
                char a=10;
                System.out.println(a);
        }
        }

Admin@DESKTOP-0NKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (hotfix)
$ vim code1.txt

Admin@DESKTOP-0NKF05E MINGW64 /g/wipro/Git_folder/Wiprorepo (hotfix)
$ git push origin hotfix
Enumerating objects: 29, done.
Counting objects: 100% (29/29), done.
Delta compression using up to 4 threads
Compressing objects: 100% (21/21), done.
Writing objects: 100% (27/27), 2.44 KiB | 499.00 KiB/s, done.
Total 27 (delta 11), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (11/11), completed with 2 local objects.
remote:
remote: Create a pull request for 'hotfix' on GitHub by visiting:
remote:        https://github.com/w3-83848-Shweta/Wiprorepo/pull/new/hotfix
remote:
To https://github.com/w3-83848-Shweta/Wiprorepo.git
 * [new branch]        hotfix -> hotfix
```

github.com/w3-83848-Shweta/Wiprorepo

w3-83848-Shweta / Wiprorepo

Q Type / to search

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Wiprorepo Public

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⑂ hotfix had recent pushes 38 seconds ago   Compare & pull request

About

This is wipro repository

Q Go to file   t

.gitignore
1
README.md
a1.txt
code1.txt
demo.txt
demo2.txt
f1.txt
f2.txt
f3.txt

Code   Blame   8 lines (8 loc) · 103 Bytes   ⊛ Code 55% faster with GitHub Copilot   Raw 📋 ⭳ ✎ ▾ <>

```
1    class Main
2    {
3            public static void main(String[] args)
4            {
5                    char a=10;
6                    System.out.println(a);
7            }
8            }
```