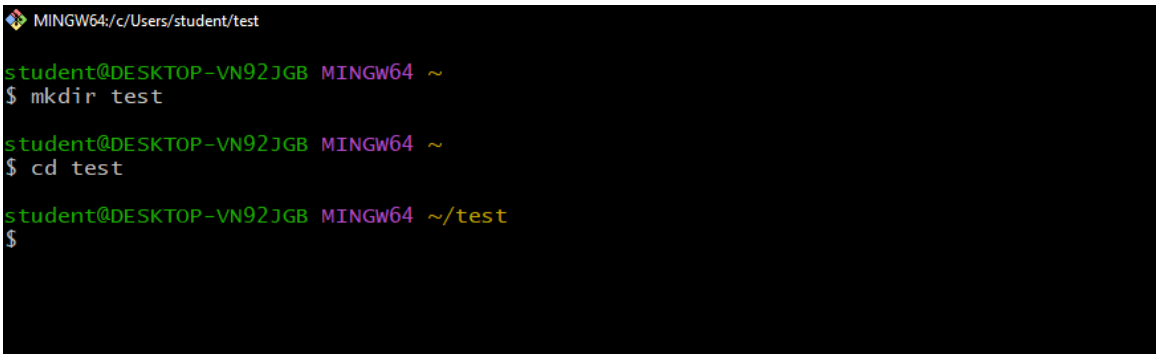
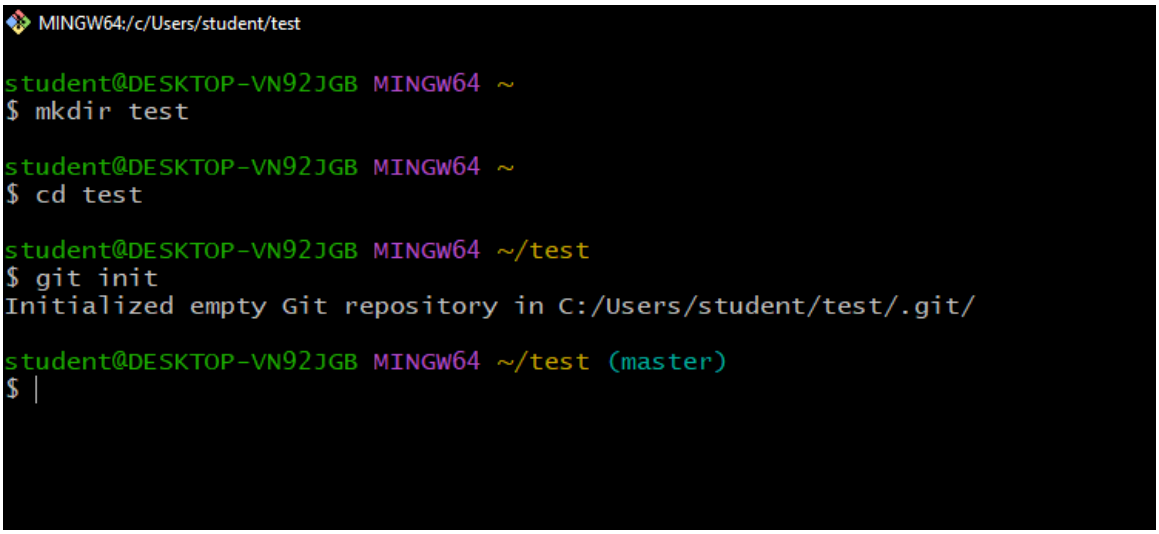
Experiment No. 3

Procedure :

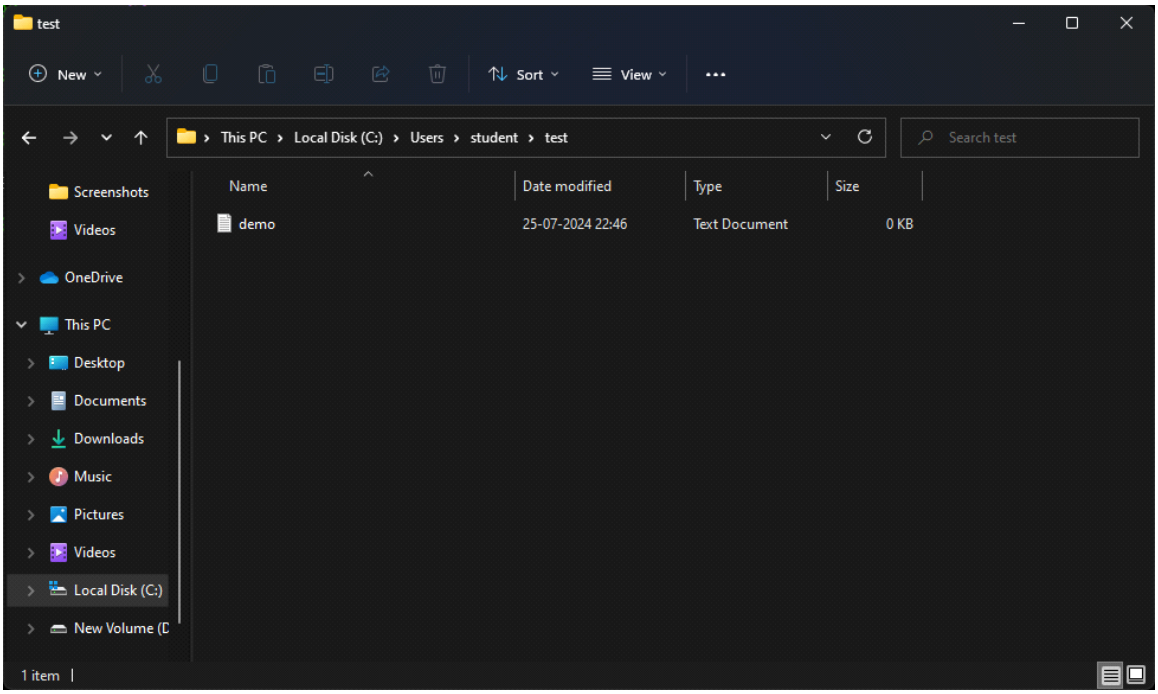
Step 1 : Make a new directory and open the directory



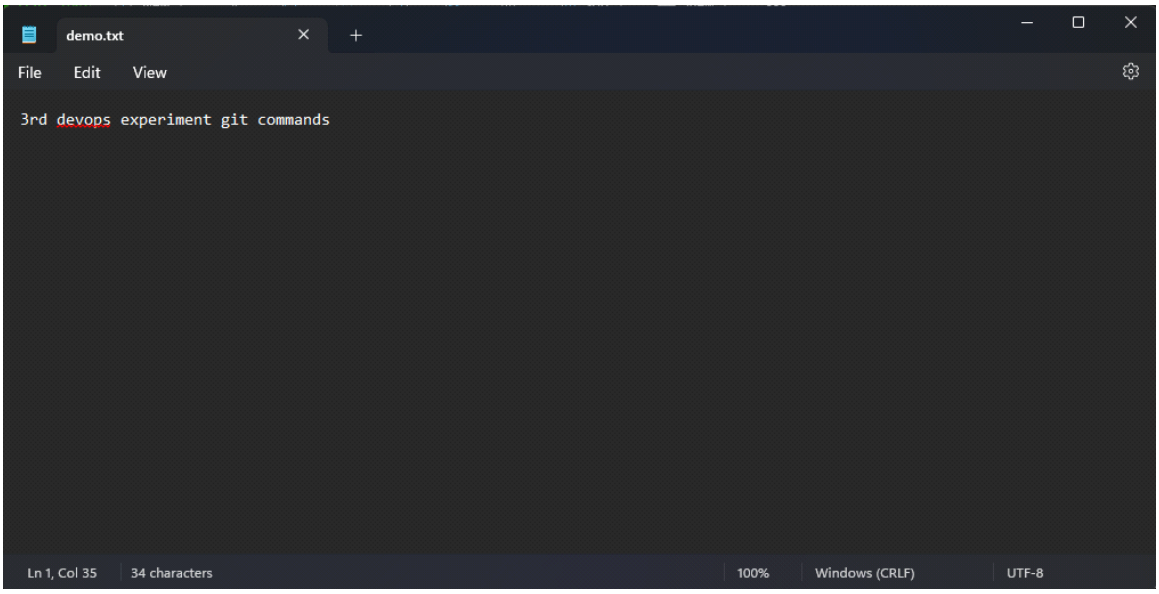
Step 2 : Initialise a new repository



Step 3 : Create a new text file in the new directory



Step 4 : Write into the text file



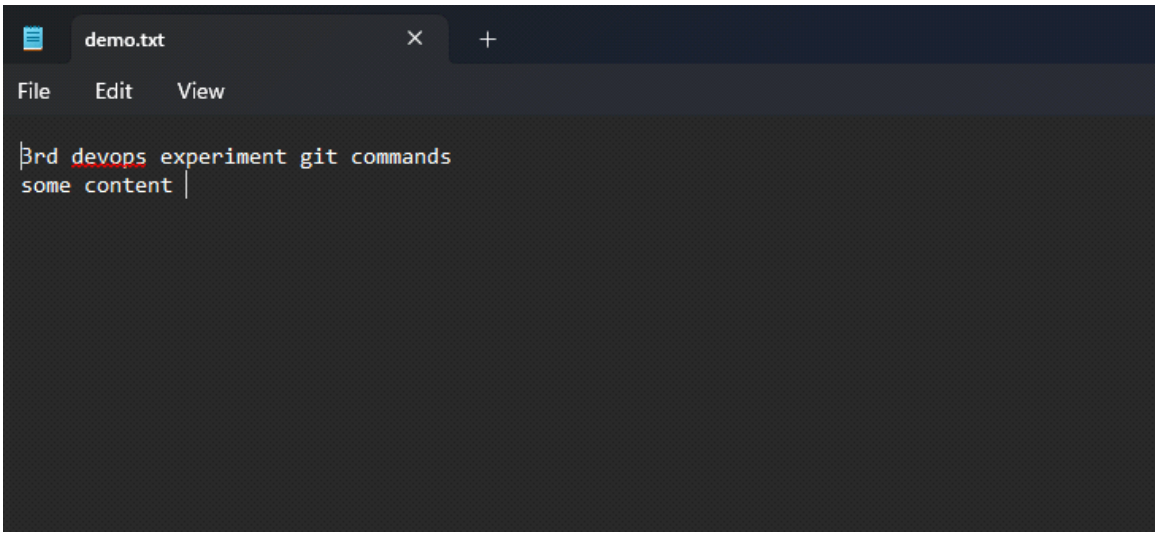
Step 5 : Check git status

```
student@DESKTOP-VN92JGB MINGW64 ~/test (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        demo.txt

nothing added to commit but untracked files present (use "git add" to track)

student@DESKTOP-VN92JGB MINGW64 ~/test (master)
$
```

Step 6 : Perform git add command for the file

```
student@DESKTOP-VN92JGB MINGW64 ~/test (master)
$ git add demo.txt

student@DESKTOP-VN92JGB MINGW64 ~/test (master)
$
```

Step 7 : Write new content in the text file



Step 8 : Use git diff command to identify the changes made

```
student@DESKTOP-VN92JGB MINGW64 ~/test (master)
$ git diff
diff --git a/demo.txt b/demo.txt
index b38a16e..cce0532 100644
--- a/demo.txt
+++ b/demo.txt
@@ -1 +1,2 @@
-3rd devops experiment git commands
\ No newline at end of file
+3rd devops experiment git commands
+some content
\ No newline at end of file
```

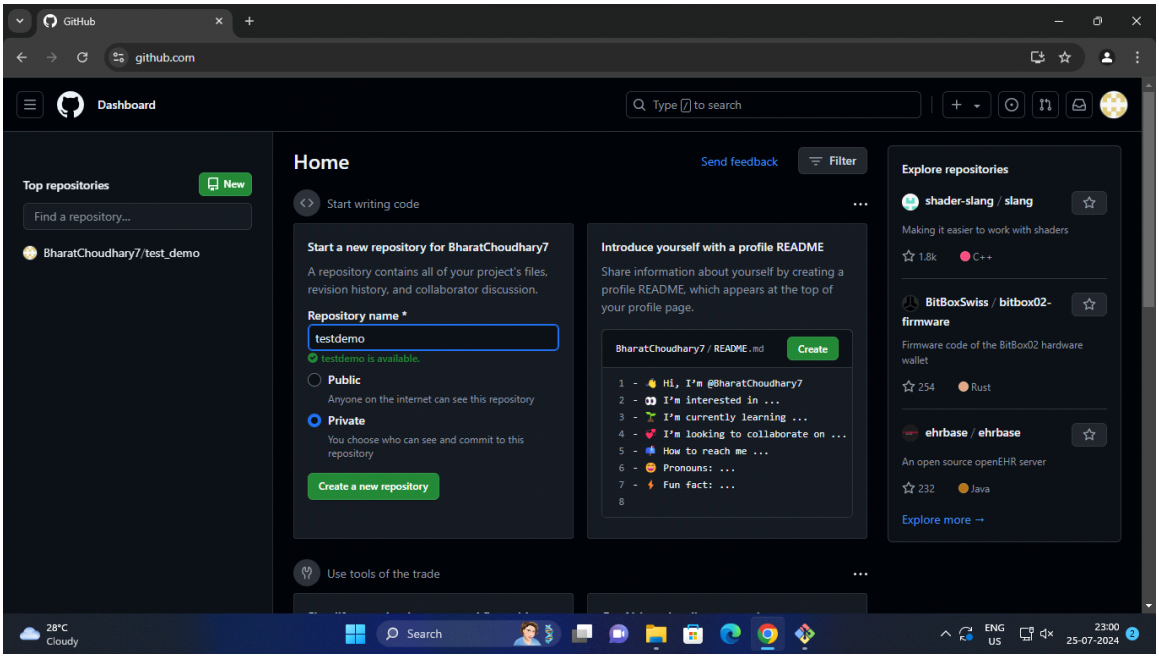
Step 9 : Configure Github to Gitbash

```
student@DESKTOP-VN92JGB MINGW64 ~/test (master)
$ git config --global user.email bharatchoudhary1602@gmail.com

student@DESKTOP-VN92JGB MINGW64 ~/test (master)
$ git config --global user.name bharatchoudhary7
```

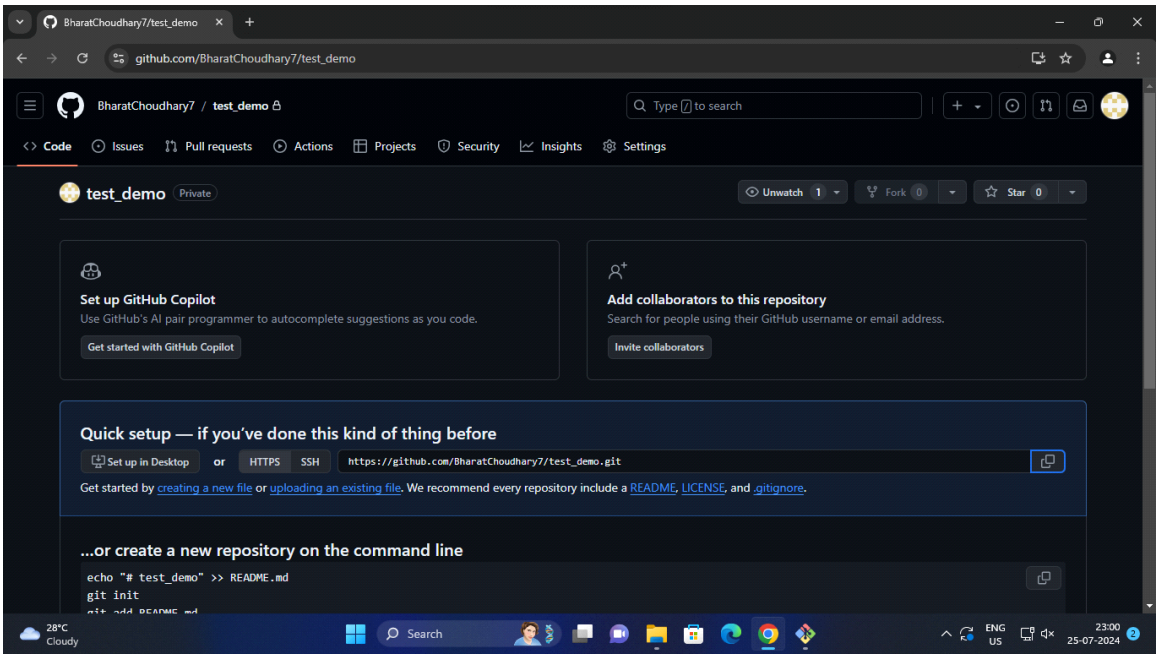
Step 10 : Perform git commit and add a commit message

```
student@DESKTOP-VN92JGB MINGW64 ~/test (master)
$ git commit -m "first commit"
[master (root-commit) 9be1212] first commit
 1 file changed, 1 insertion(+)
 create mode 100644 demo.txt

student@DESKTOP-VN92JGB MINGW64 ~/test (master)
$ git push origin master
```

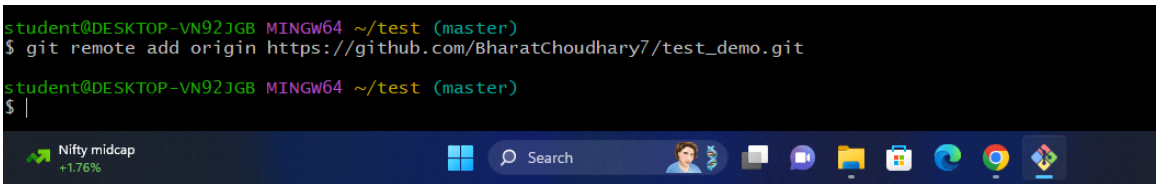
Step 11 : Create a new repository in your github account



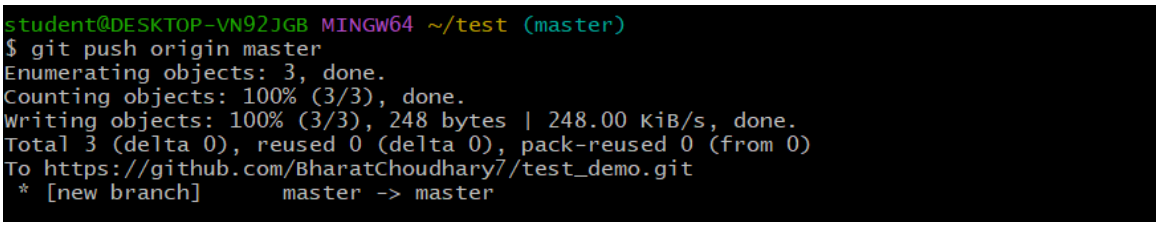
Step 12 : Open the repository and copy the repository HTTPS URL



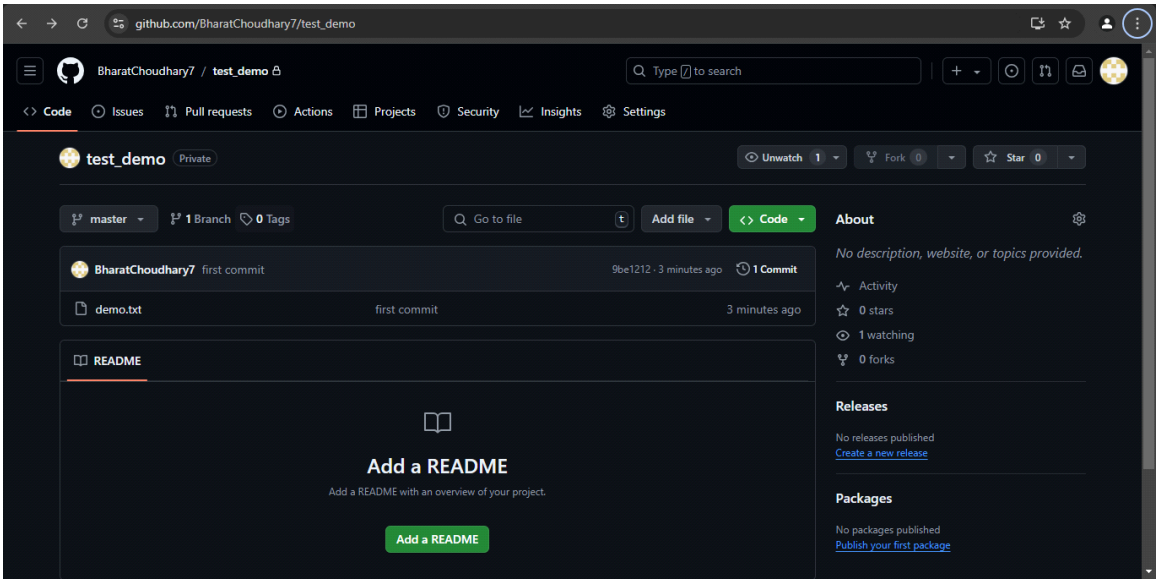
Step 13 : Link remote repository



Step 14 : Push the file into remote repository



Step 15 : Commit is successful



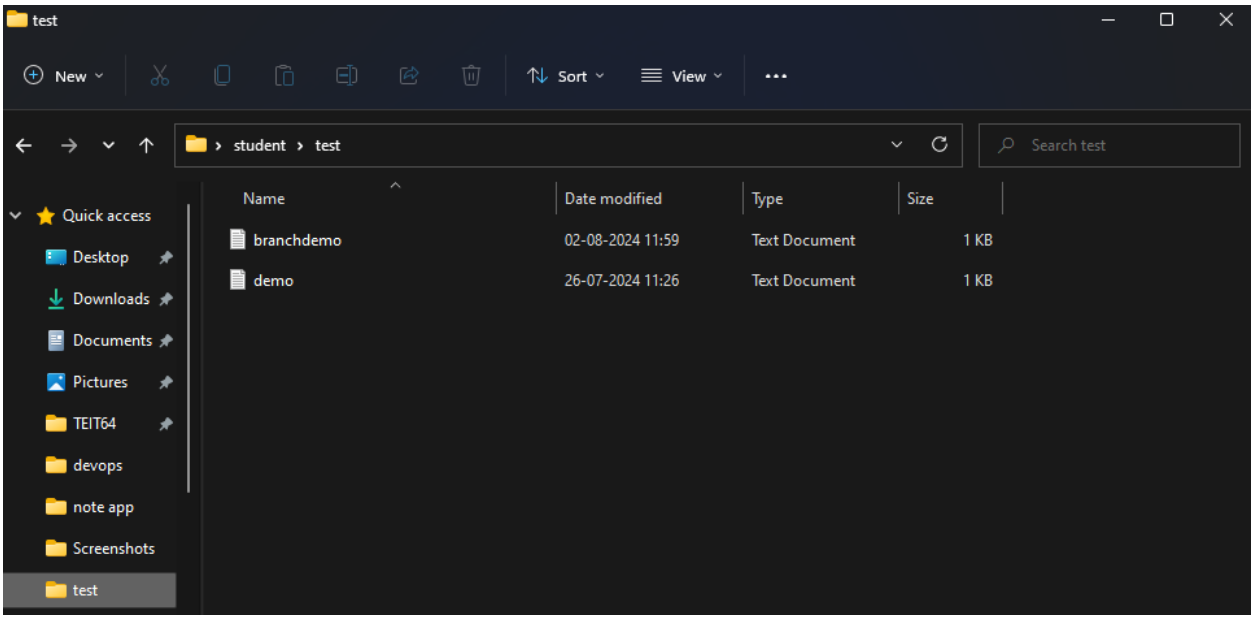
Step 16 : Create a new branch

```
student@DESKTOP-VN92JGB MINGW64 ~
$ cd test

student@DESKTOP-VN92JGB MINGW64 ~/test (master)
$ git branch branch1

student@DESKTOP-VN92JGB MINGW64 ~/test (master)
$ git branch
  branch1
* master
```

Step 17 : Switch to the new branch

```
student@DESKTOP-VN92JGB MINGW64 ~/test (master)
$ git checkout branch1
Switched to branch 'branch1'
M       demo.txt

student@DESKTOP-VN92JGB MINGW64 ~/test (branch1)
$ git branch
* branch1
  master
```

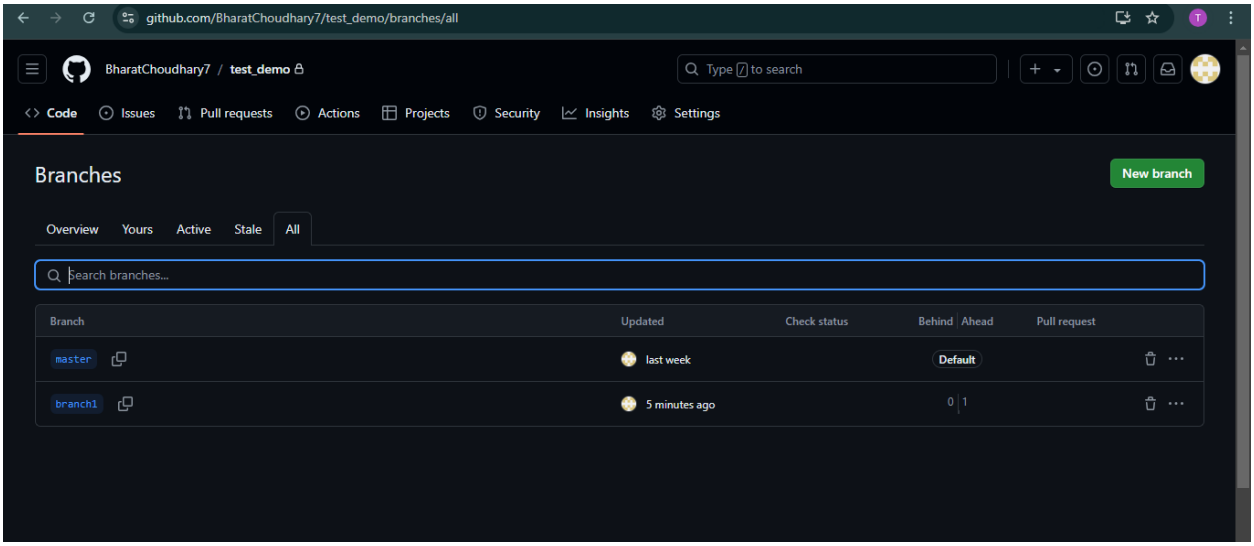
Step 18 : Make a new text file



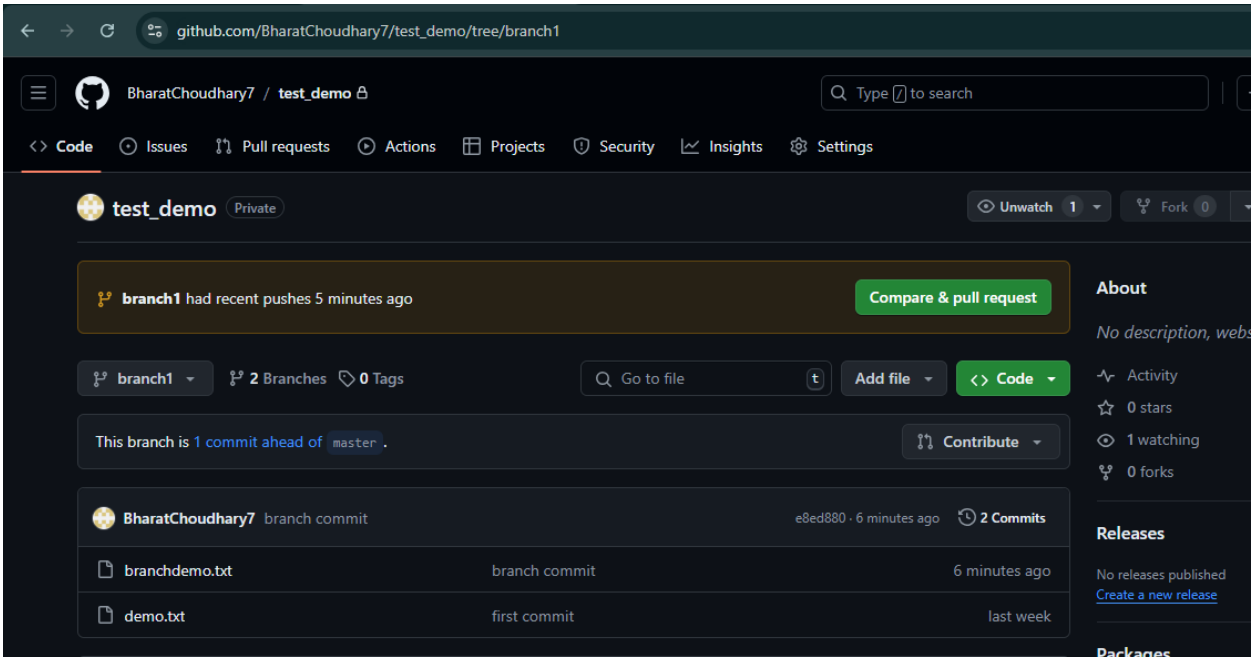
Step 19 : Add the branch and make a commit and push the branch

```
student@DESKTOP-VN92JGB MINGW64 ~/test (branch1)
$ git add branchdemo.txt

student@DESKTOP-VN92JGB MINGW64 ~/test (branch1)
$ git commit -m "branch commit"
[branch1 e8ed880] branch commit
 1 file changed, 1 insertion(+)
 create mode 100644 branchdemo.txt

student@DESKTOP-VN92JGB MINGW64 ~/test (branch1)
$ git push origin branch1
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 302 bytes | 302.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'branch1' on GitHub by visiting:
remote:      https://github.com/BharatChoudhary7/test_demo/pull/new/branch1
remote:
To https://github.com/BharatChoudhary7/test_demo.git
 * [new branch]      branch1 -> branch1
```

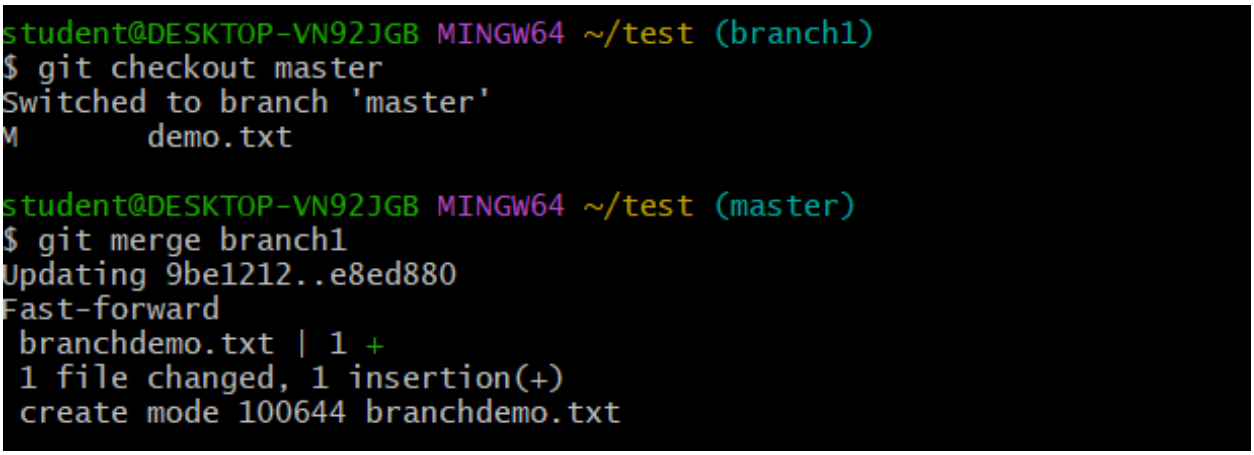
Step 20 : New branch is made successfully



Step 20 : Branches are not merged yet



Step 21 : Switch to master branch and merge newly created branch to master branch.



Step 22 : Push the changes to remote repository

```
student@DESKTOP-VN92JGB MINGW64 ~/test (master)
$ git push origin master
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/BharatChoudhary7/test_demo.git
   9be1212..e8ed880  master -> master
```

Step 23 : Branches are merged successfully.