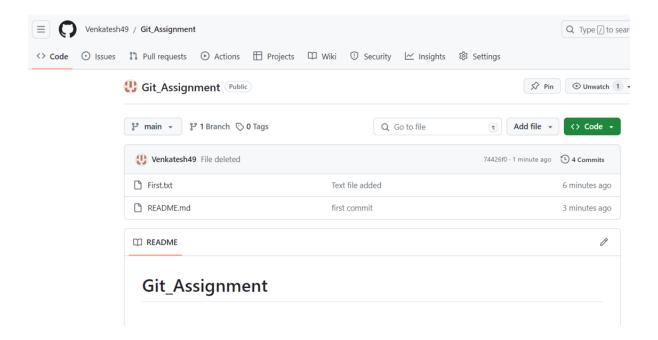
GIT ASSIGNMENT

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.



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.

```
venkatesh@venky MINGw64 ~/OneDrive/Desktop/Git/Git Assignment (mai
$ git branch feature
/enkatesh@venky MINGW64 ~/OneDrive/Desktop/Git/Git Assignment (mai
$ git switch feature
Switched to branch 'feature'
venkatesh@venky MINGW64 ~/OneDrive/Desktop/Git/Git Assignment (fea
ture)
$ echo " This is a new Feature" > Note.txt
/enkatesh@venky MINGW64 ~/OneDrive/Desktop/Git/Git Assignment (fea
ture)
$ git add .
warning: in the working copy of 'Note.txt', LF will be replaced by CRLF the next time Git touches it
/enkatesh@venky MINGW64 ~/OneDrive/Desktop/Git/Git Assignment (fea
ture)
$ git commit -m "Added Note.txt file in Feature Branch"
[feature 3570c64] Added Note.txt file in Feature Branch
 1 file changed, 1 insertion(+)
 create mode 100644 Note.txt
```

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:

Step 1:

Ensure you're on the 'main' branch git checkout main

Step 2: Pull the latest changes from the remote 'main' branch git pull origin main

Step 3: Create a new branch called 'hotfix' git branch hotfix

Step 4: Change the main branch to hotfix branch git checkout hotfix

Step 5: Make the necessary changes to the code to fix the issue

Step 6: Stage the changes git add .

Step 7: Commit the changes git commit -m "Fix the issue"

Step 8: Push the 'hotfix' branch to the remote repository git push origin hotfix

Step 9: Checkout to the 'main' branch git checkout main

Step 10: Merge the 'hotfix' branch into 'main' git merge hotfix

Step 11: Push the updated 'main' branch to the remote repository git push origin main