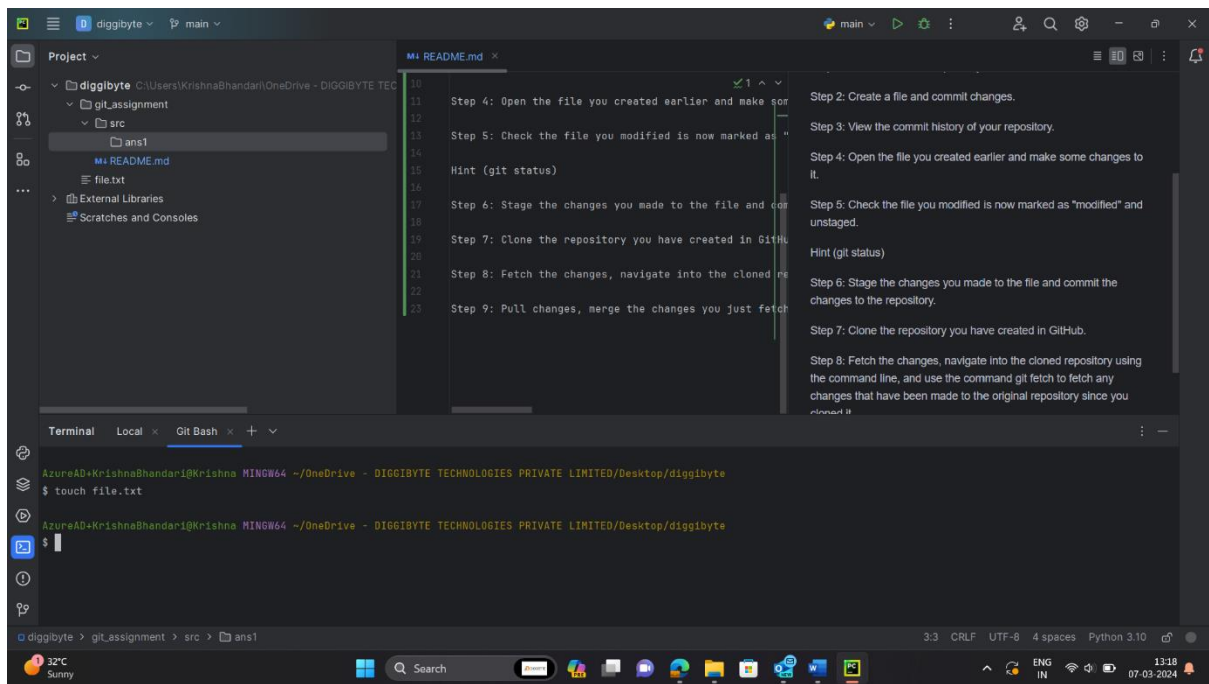


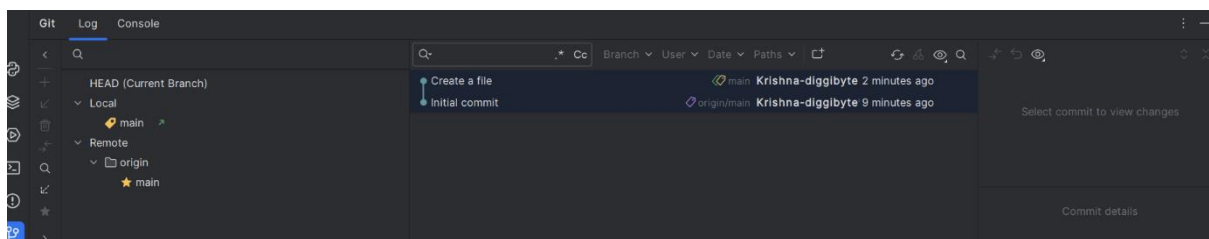
# Question 1

Step 1: Create a new Git repository.

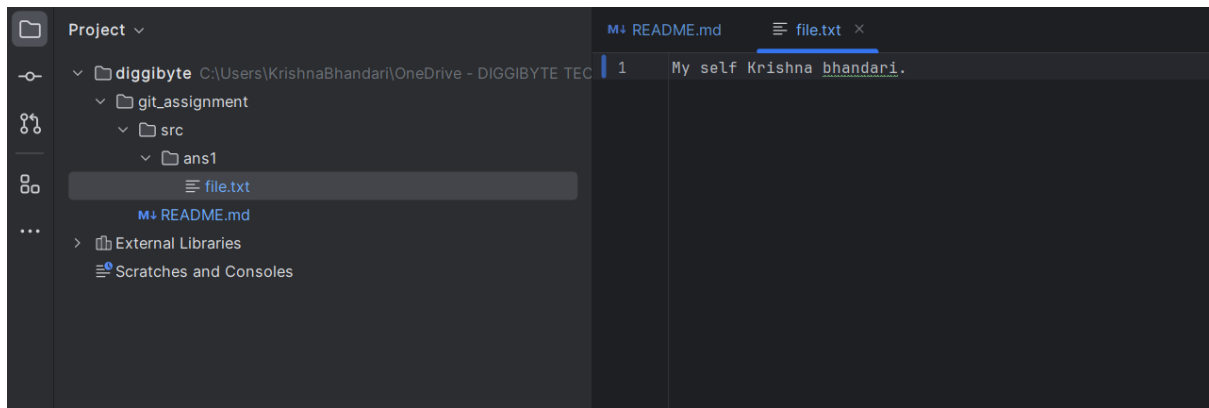


Step 2: Create a file and commit changes.

Step 3: View the commit history of your repository.



Step 4: Open the file you created earlier and make some changes to it.



Step 5: Check the file you modified is now marked as "modified" and unstaged.  
Hint (git status)

```
Terminal Local x Git Bash x + v
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment\src\ans1>
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment\src\ans1> git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   ../../README.md
        modified:   file.txt
```

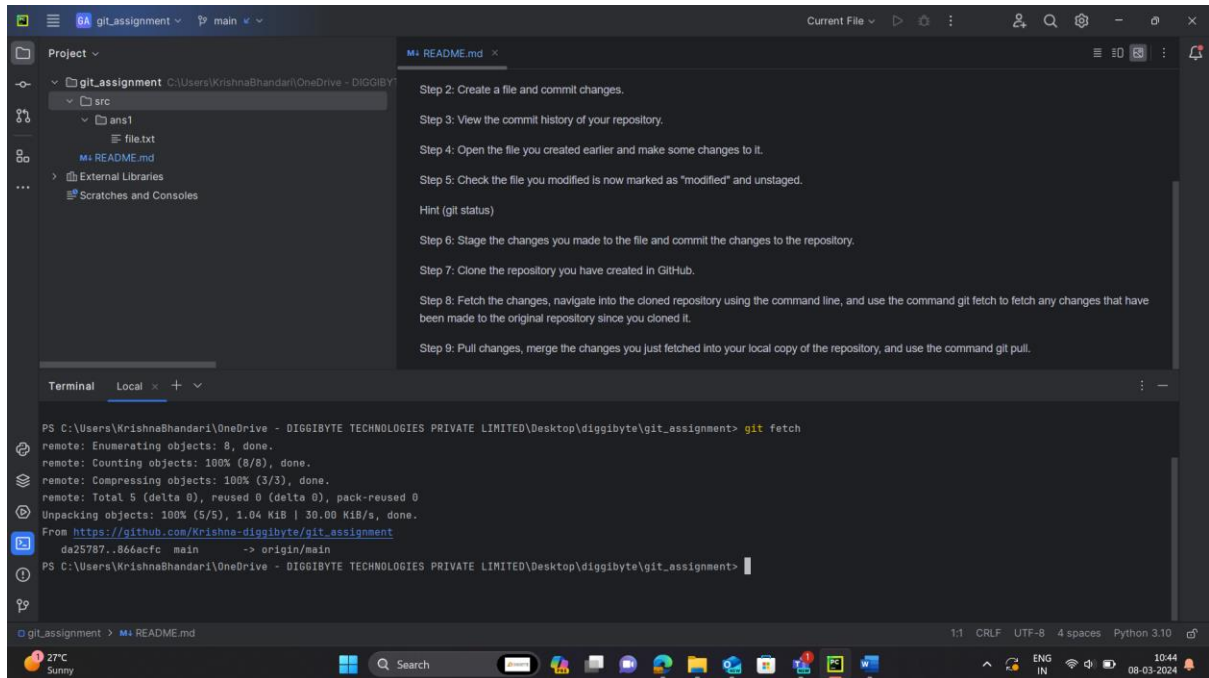
Step 6: Stage the changes you made to the file and commit the changes to the repository.

```
no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment\src\ans1> git add .
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment\src\ans1> git fetch
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment\src\ans1> git commit -m "file edited"
[main da25787] file edited
1 file changed, 1 insertion(+)
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment\src\ans1>
```

```
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment\src\ans1> git push origin main
git: 'credential-manager-core' is not a git command. See 'git --help'.
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (10/10), 730 bytes | 365.00 KiB/s, done.
Total 10 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Krishna-diggibyte/git_assignment
c253286..da25787  main -> main
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment\src\ans1>
```

Step 7: Clone the repository you have created in GitHub.

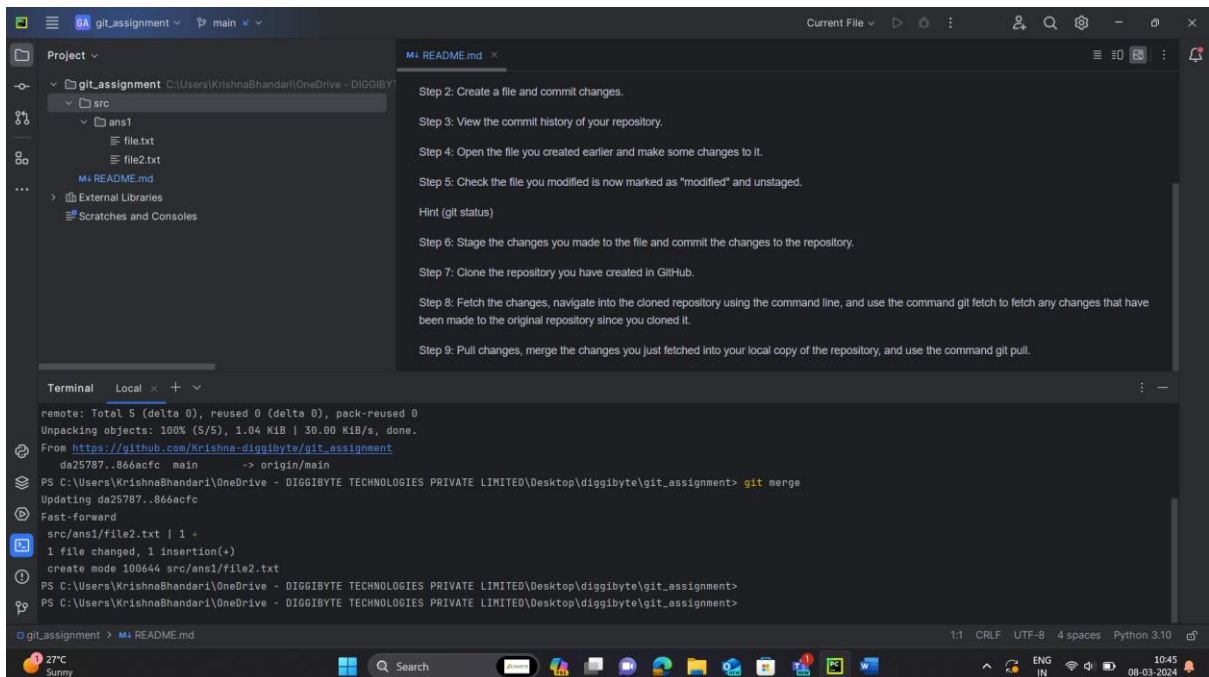
Step 8: Fetch the changes, navigate into the cloned repository using the command line, and use the command git fetch to fetch any changes that have been made to the original repository since you cloned it.



The screenshot shows the Visual Studio Code interface with a project named 'git\_assignment'. The file explorer on the left shows a directory structure with 'src' containing 'file.txt' and 'file2.txt', and a 'README.md' file in the root. The right sidebar displays a list of steps for a tutorial, with Step 7 highlighted: 'Clone the repository you have created in GitHub.' The terminal at the bottom shows the execution of the 'git fetch' command, which successfully updates the local repository from the remote. The command prompt is now ready for the next step.

```
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment> git fetch
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (5/5), 1.04 KiB | 30.00 KiB/s, done.
From https://github.com/Krishna-diggibyte/git_assignment
da25787..866acfc main -> origin/main
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment>
```

Step 9: Pull changes, merge the changes you just fetched into your local copy of the repository, and use the command git pull.



The screenshot shows the Visual Studio Code interface after the 'git pull' command has been executed. The file explorer now includes 'file2.txt' in the 'src' directory. The terminal shows the output of 'git pull', which includes a fast-forward merge and the creation of a new file. The command prompt is now ready for the next step.

```
remote: Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (5/5), 1.04 KiB | 30.00 KiB/s, done.
From https://github.com/Krishna-diggibyte/git_assignment
da25787..866acfc main -> origin/main
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment> git pull
Updating da25787..866acfc
Fast-forward
 src/ans1/file2.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 src/ans1/file2.txt
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment>
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment>
```