

Hands On Assignment

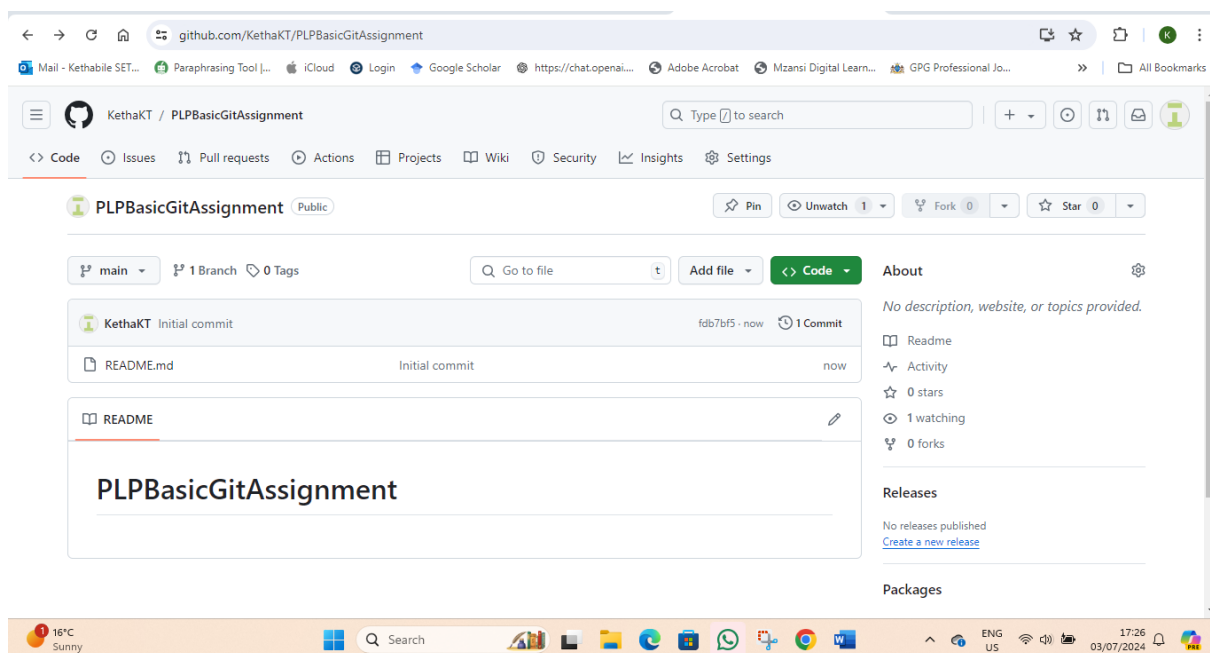
Requirements:

- A GitHub account (create one if you don't have it already).
- Git installed on your local machine.
- A code editor of your choice (e.g., Visual Studio Code, Sublime Text).

Task 1: Repository Setup

1. GitHub Repository Creation:

- Log in to your GitHub account.
- Create a new repository on GitHub (let's call it "PLPBasicGitAssignment").
- Initialize it with a README file.



Owner * KethaKT / Repository name * PLPBasicGitAssignment

Great repository names are short and memorable. Need inspiration? How about [automatic-octo-umbrella](#) ?

Description (optional)

☒ Public Anyone on the internet can see this repository. You choose who can commit.

☐ Private You choose who can see and commit to this repository.

Initialize this repository with:

☒ Add a README file This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore .gitignore template: None

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

Choose a license License: None

A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

Task 2: Local Setup

2. Local Folder Setup:

- Create a new folder on your local machine (e.g., "PLPBasicGitAssignment").
- Open a terminal or command prompt and navigate to the created folder.

```
Windows PowerShell
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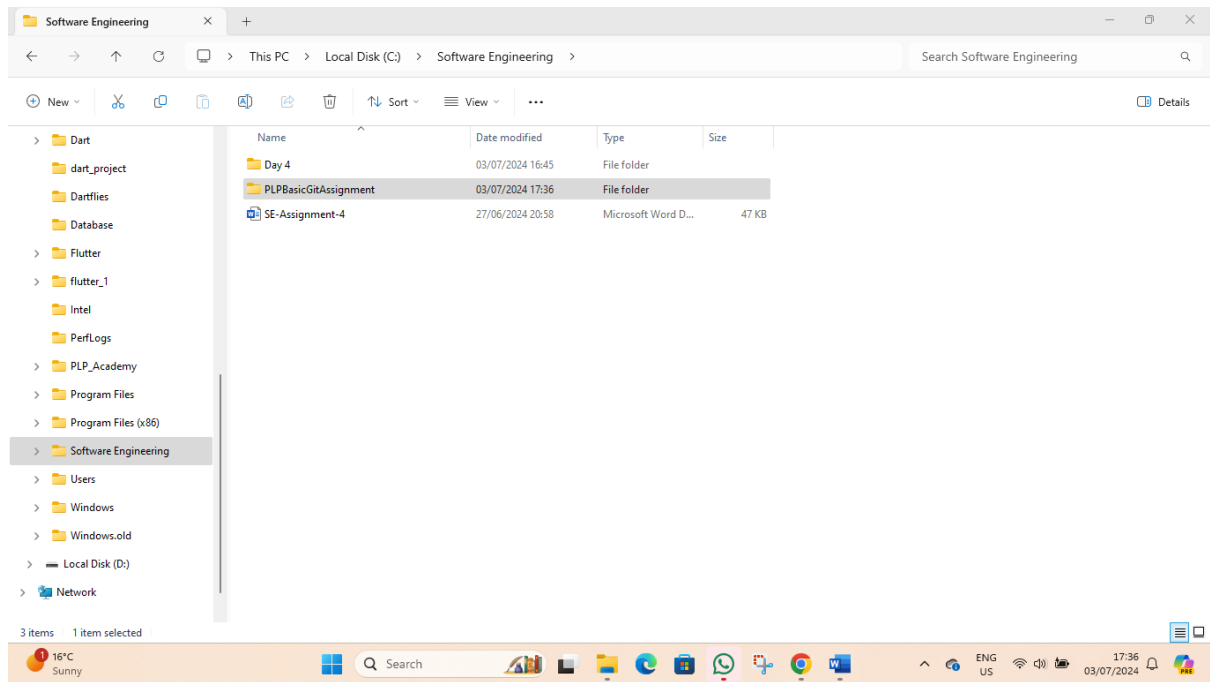
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\User> mkdir PLPBasicGitAssignment

Directory: C:\Users\User

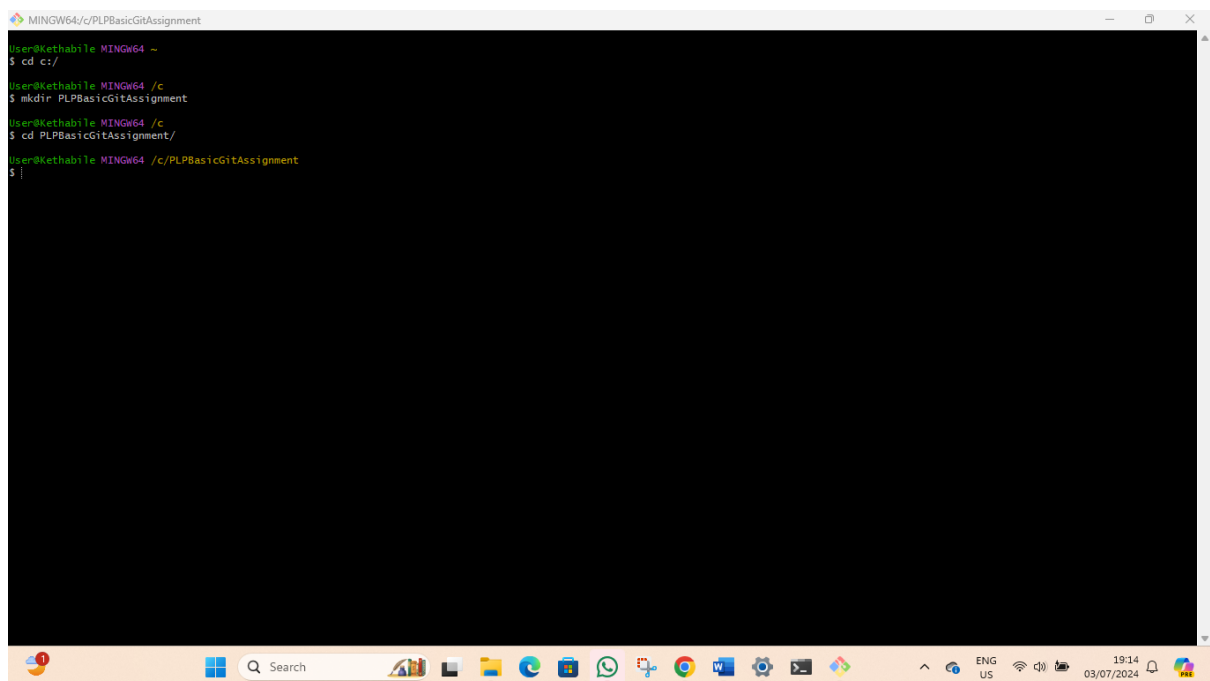
Mode                LastWriteTime         Length Name
----                -
d-----          03/07/2024   19:19             PLPBasicGitAssignment

PS C:\Users\User> cd PLPBasicGitAssignment/
PS C:\Users\User\PLPBasicGitAssignment> |
```



3. Git Initialization:

- Initialize a new Git repository in your local folder.



4. Connecting to GitHub:

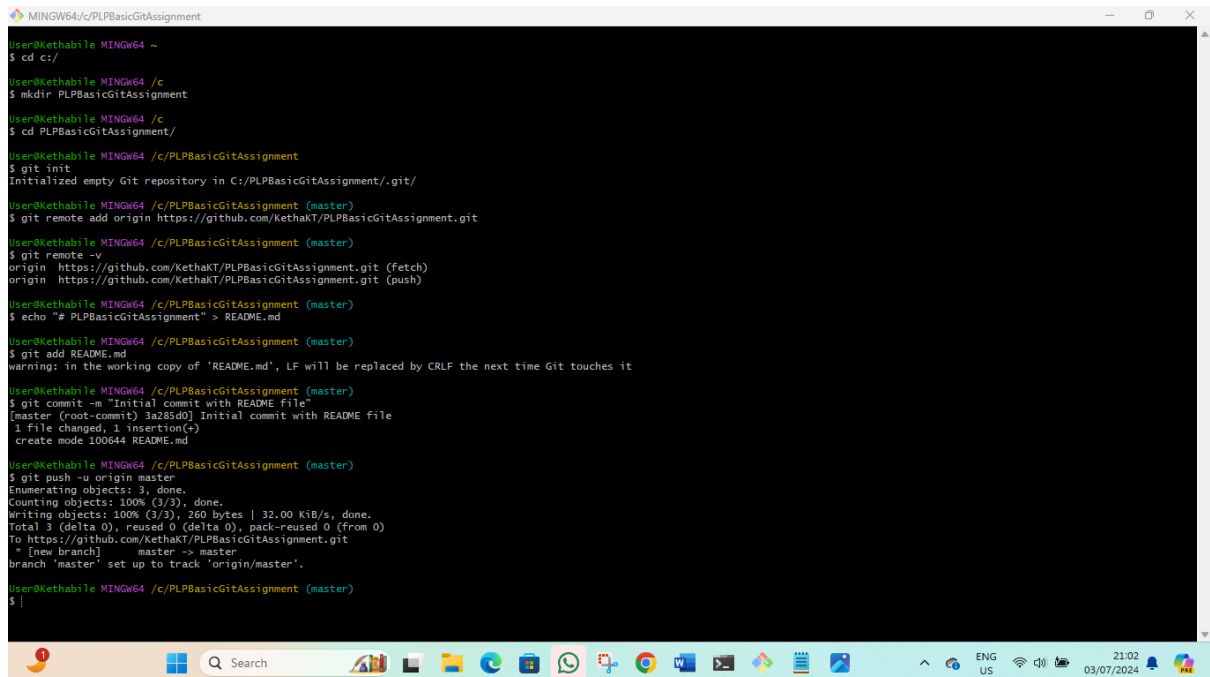
- Link your local repository to the GitHub repository you created in Task 1.

...

`git remote add origin <repository-url>`

...

Replace `<repository-url>` with the actual URL of your GitHub repository.



```
MINGW64/c/PLPBasicGitAssignment
User@Kethabile MINGW64 ~
$ cd c:/
User@Kethabile MINGW64 /c
$ mkdir PLPBasicGitAssignment
User@Kethabile MINGW64 /c
$ cd PLPBasicGitAssignment/
User@Kethabile MINGW64 /c/PLPBasicGitAssignment
$ git init
Initialized empty Git repository in C:/PLPBasicGitAssignment/.git/
User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git remote add origin https://github.com/kethaKT/PLPBasicGitAssignment.git
User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git remote -v
origin  https://github.com/kethaKT/PLPBasicGitAssignment.git (fetch)
origin  https://github.com/kethaKT/PLPBasicGitAssignment.git (push)
User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ echo "# PLPBasicGitAssignment" > README.md
User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git commit -m "Initial commit with README file"
[master (root-commit) 3a285d0] Initial commit with README file
1 file changed, 1 insertion(+)
create mode 100644 README.md
User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 260 bytes | 32.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/kethaKT/PLPBasicGitAssignment.git
* [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$
```

Task 3: Making Changes

5. Create a File:

- Inside your local folder, create a new text file (e.g., `hello.txt`).
- Add a simple text message (e.g., "Hello, Git!").

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\User> mkdir PLPBasicGitAssignment

Directory: C:\Users\User

Mode                LastWriteTime         Length Name
----                -
d-----          03/07/2024   19:19             PLPBasicGitAssignment

PS C:\Users\User> cd PLPBasicGitAssignment/
PS C:\Users\User\PLPBasicGitAssignment>
PS C:\Users\User\PLPBasicGitAssignment> echo Hello, Git! > hello.txt
PS C:\Users\User\PLPBasicGitAssignment> dir

Directory: C:\Users\User\PLPBasicGitAssignment

Mode                LastWriteTime         Length Name
----                -
-a-----          03/07/2024   21:06             28 hello.txt
```

```
MINGW64/c/PLPBasicGitAssignment
$ git remote add origin https://github.com/KethaKT/PLPBasicGitAssignment.git

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git remote -v
origin https://github.com/KethaKT/PLPBasicGitAssignment.git (fetch)
origin https://github.com/KethaKT/PLPBasicGitAssignment.git (push)

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ echo "# PLPBasicGitAssignment" > README.md

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git commit -m "Initial commit with README file"
[master (root-commit) 3a285d0] Initial commit with README file
1 file changed, 1 insertion(+)
create mode 100644 README.md

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 260 bytes | 32.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/KethaKT/PLPBasicGitAssignment.git
 * [new branch] master -> master
branch 'master' set up to track 'origin/master'.

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ echo Hello, Git! > hello.txt

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ dir
README.md hello.txt
```

6. Committing Changes:

- Stage the changes.

```
```bash
```

```
git add hello.txt
```

```
```
```

- Commit the changes.

```
```bash
```

```
git commit -m "Add hello.txt with a greeting"
```

```
```
```

```
MINGW64/c/PLPBasicGitAssignment
$ git remote add origin https://github.com/kethaKT/PLPBasicGitAssignment.git

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git remote -v
origin https://github.com/kethaKT/PLPBasicGitAssignment.git (Fetch)
origin https://github.com/kethaKT/PLPBasicGitAssignment.git (push)

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ echo "# PLPBasicGitAssignment" > README.md

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git commit -m "Initial commit with README file"
[master (root-commit) 3a285d0] Initial commit with README file
1 file changed, 1 insertion(+)
create mode 100644 README.md

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 260 bytes | 32.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/kethaKT/PLPBasicGitAssignment.git
 * [new branch] master -> master
branch 'master' set up to track 'origin/master'.

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ echo Hello, Git! > hello.txt

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ dir
README.md hello.txt

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git add hello.txt
warning: in the working copy of 'hello.txt', LF will be replaced by CRLF the next time Git touches it

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git commit -m "Add hello.txt with a welcome message"
[master 7b2af22] Add hello.txt with a welcome message
1 file changed, 1 insertion(+)
create mode 100644 hello.txt

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$
```

Task 4: Pushing to GitHub

7. Pushing to GitHub:

- Push the committed changes to your GitHub repository.

```
```bash
```

```
git push -u origin main
```

```
```
```

```
MINGW64/c/PLPBasicGitAssignment
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git commit -m "Initial commit with README file"
[master (root-commit) 3a285d0] Initial commit with README file
1 file changed, 1 insertion(+)
create mode 100644 README.md

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 260 bytes | 32.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/kethaKT/PLPBasicGitAssignment.git
 * [new branch] master -> master
branch 'master' set up to track 'origin/master'.

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ echo Hello, Git! > hello.txt

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ dir
README.md hello.txt

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git add hello.txt
warning: in the working copy of 'hello.txt', LF will be replaced by CRLF the next time Git touches it

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git commit -m "Add hello.txt with a welcome message"
[master 7b2af22] Add hello.txt with a welcome message
1 file changed, 1 insertion(+)
create mode 100644 hello.txt

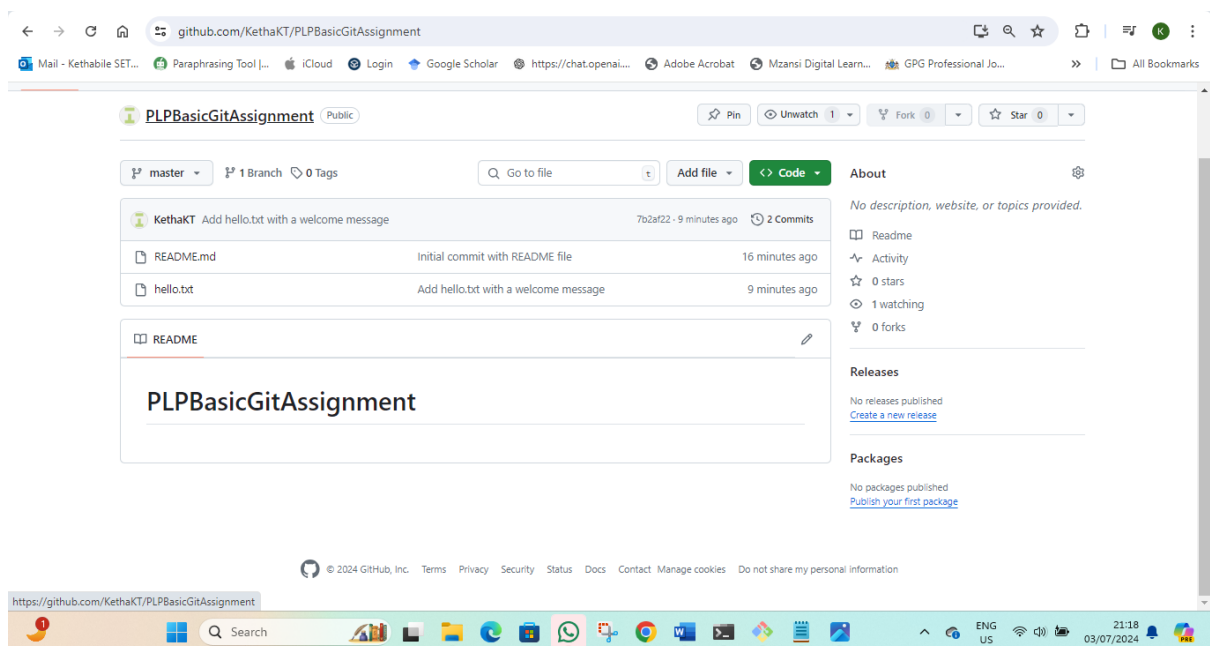
User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 2 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 316 bytes | 79.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/kethaKT/PLPBasicGitAssignment.git
 3a285d0..7b2af22 master -> master

User@Kethabile MINGW64 /c/PLPBasicGitAssignment (master)
$
```

Task 5: Verification

8. Verify on GitHub:

- Visit your GitHub repository in a web browser and confirm that the `hello.txt` file and commit message are visible.



Submission:

- Ensure all changes are pushed to your GitHub repository.
- Share the link to your GitHub repository with the instructor or submit it as per the class instructions.

Additional Tips:

- Document the steps and commands used in a text file or in the README of your repository.
- If you encounter issues, refer to the GitHub documentation or seek assistance from peers or the instructor.

This assignment is a basic introduction to the Git and GitHub workflow, emphasizing repository creation, local setup, making changes, committing, and pushing to GitHub.