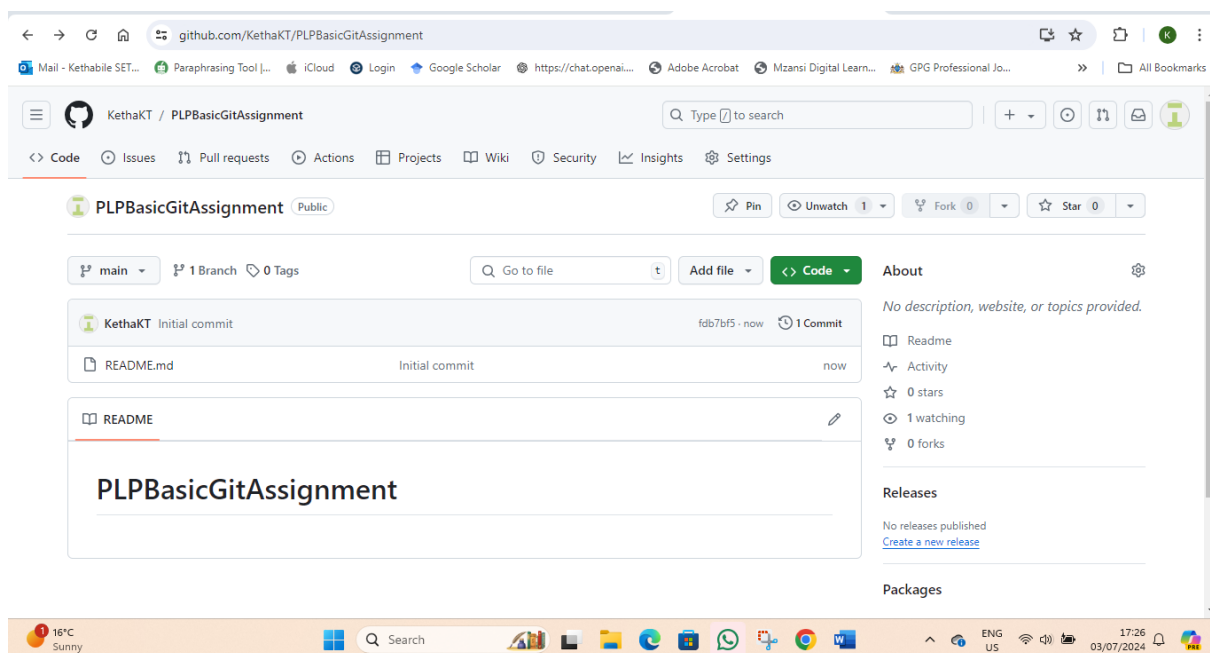**Hands On Assignment**

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.

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.**

3. Git Initialization:

- Initialize a new Git repository in your local folder.
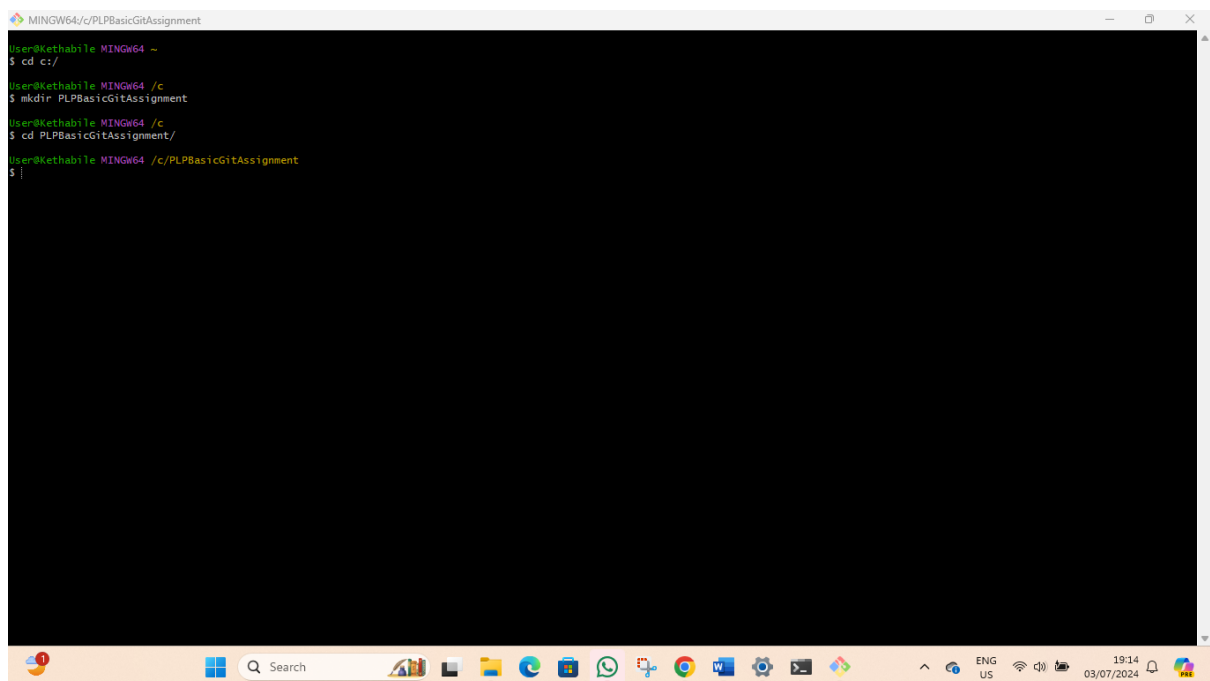
4. Connecting to GitHub:
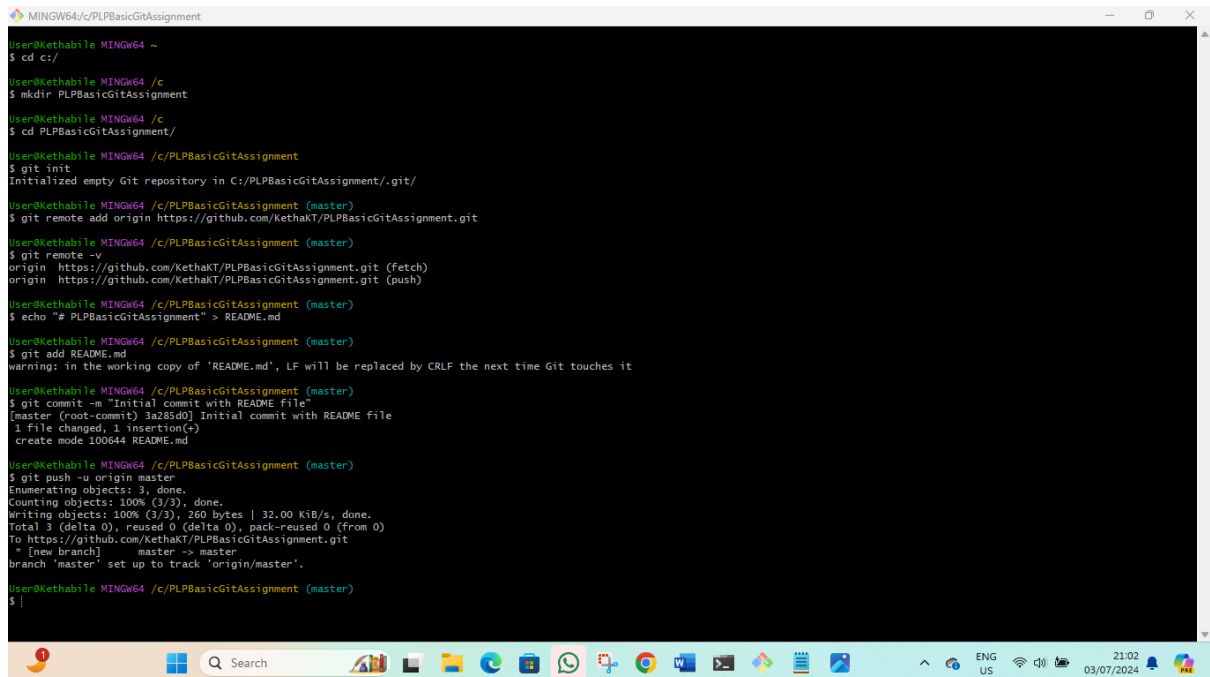
 - **Link your local repository to the GitHub repository you created in Task 1.**

 ` ` `

git remote add origin <repository-url>

 ` ` `

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

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"
```

Task 4: Pushing to GitHub

7. Pushing to GitHub:

 - Push the committed changes to your GitHub repository.

   ```bash

   git push -u origin main

   ```

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.
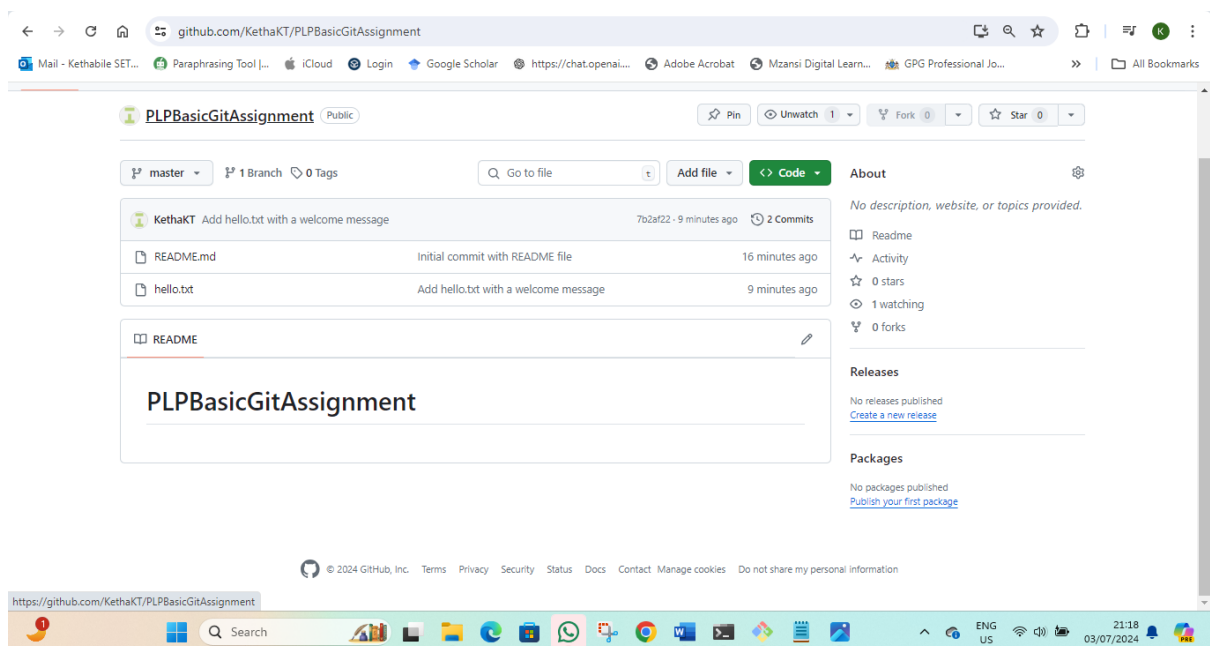
- Ensure all changes are pushed to your GitHub repository.

- 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.