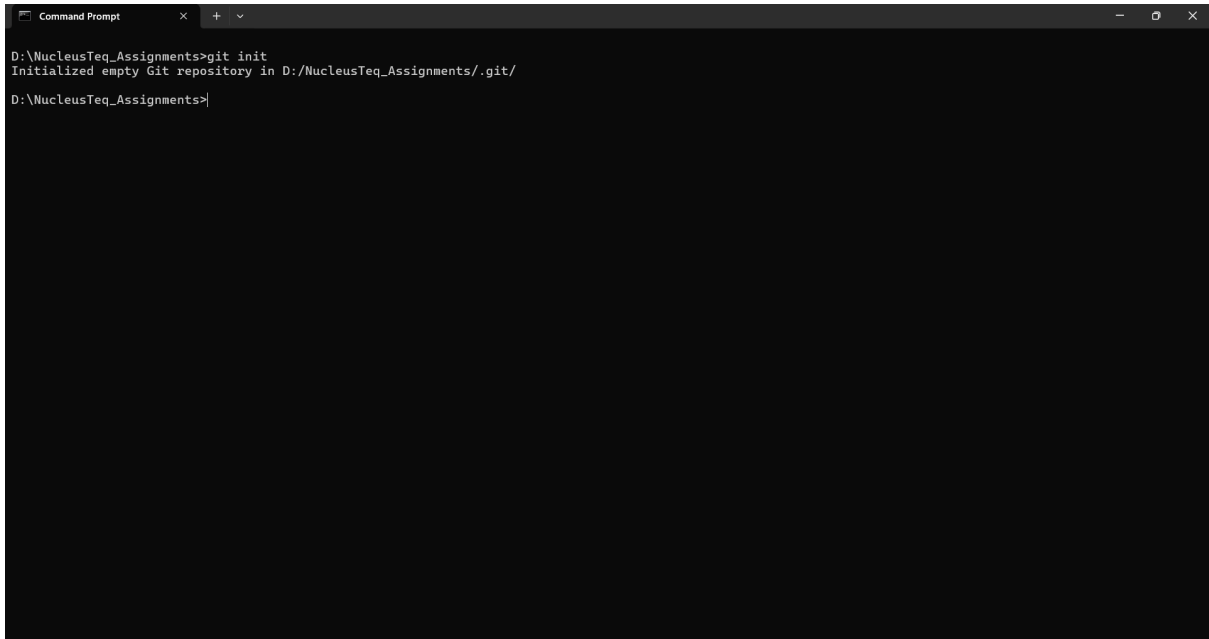


# Git Assignment - Om Chhayala

## 1. Create a New Repository

Git Commands Used -

- git init



```
Command Prompt
D:\NucleusTeq_Assignments>git init
Initialized empty Git repository in D:/NucleusTeq_Assignments/.git/
D:\NucleusTeq_Assignments>
```

## 2. Create a New File

Commands Used -

- Type null > sample\_file.txt



```
D:\NucleusTeq_Assignments\Git_Assignment>type nul > sample_file_2.txt
D:\NucleusTeq_Assignments\Git_Assignment>
```

### 3. Create a Branch

Git Command Used

- `git checkout -b new_branch`

```
D:\NucleusTeq_Assignments\Git_Assignment>git checkout -b new_branch
Switched to a new branch 'new_branch'
D:\NucleusTeq_Assignments\Git_Assignment>|
```

### 4. Make Changes in the New Branch

- Changes done in the new branch - Create a new file as `sample_file_2.txt`

```
D:\NucleusTeq_Assignments\Git_Assignment>type nul > sample_file_2.txt
D:\NucleusTeq_Assignments\Git_Assignment>|
```

## 5. Create Another Branch (Optional)

- Created a new branch as new\_branch\_3.txt

```
D:\NucleusTeq_Assignments\Git_Assignment>git checkout -b new_branch_3
Switched to a new branch 'new_branch_3'
D:\NucleusTeq_Assignments\Git_Assignment>|
```

## 6. Merge Branches

Git Command Used

- git merge new\_branch\_2

```
(base) PS D:\NucleusTeq_Assignments\Git_Assignment> git merge new_branch_2|
```

## 7. Pull Changes from Remote

Git Command Used

- git pull origin main

```
(base) PS D:\NucleusTeq_Assignments> git pull origin main|
```

## 8. View Git Log and History

### Git Command Used

- git log

```
(base) PS D:\NucleusTeq_Assignments> git log
commit 4691c12111b2e0df596c469cf6ed58d555f686dd (HEAD -> main)
Author: Om-chhayala <om20082003@gmail.com>
Date:   Wed Feb 19 00:17:38 2025 +0530

    initial commit
(base) PS D:\NucleusTeq_Assignments> |
```

## 9. Git Status and Staging

### Git Commands Used

- git status
- git add .

```
(base) PS D:\NucleusTeq_Assignments> git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    new_folder/

nothing added to commit but untracked files present (use "git add" to track)
(base) PS D:\NucleusTeq_Assignments> git add .
(base) PS D:\NucleusTeq_Assignments> git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   new_folder/New Text Document.txt
(base) PS D:\NucleusTeq_Assignments> |
```

## 10. Revert and Reset

### Git Command Used

- git reset main sample\_file.txt
- git revert 4691c12111b2e0df596c469cf6ed58d555f686dd

```
(base) PS D:\NucleusTeq_Assignments> git reset main new_folder/New Text Document.txt
(base) PS D:\NucleusTeq_Assignments> |
```

```
(base) PS D:\NucleusTeq_Assignments> git add .
(base) PS D:\NucleusTeq_Assignments> git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   new_folder/new_file.txt

(base) PS D:\NucleusTeq_Assignments> git restore new_folder/new_file
error: pathspec 'new_folder/new_file' did not match any file(s) known to git
(base) PS D:\NucleusTeq_Assignments> git restore new_folder/new_file.txt
(base) PS D:\NucleusTeq_Assignments> git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   new_folder/new_file.txt

(base) PS D:\NucleusTeq_Assignments> git restore --staged new_folder/new_file.txt
(base) PS D:\NucleusTeq_Assignments> git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    new_folder/

nothing added to commit but untracked files present (use "git add" to track)
(base) PS D:\NucleusTeq_Assignments> |
```