Created repo using git bash

```
Vinayak Khandelwal@Crimemastergogo MINGW64 ~/Desktop
$ mkdir Nucleus_Assignments

Vinayak Khandelwal@Crimemastergogo MINGW64 ~/Desktop
$ cd  Nucleus_Assignments

Vinayak Khandelwal@Crimemastergogo MINGW64 ~/Desktop/Nucleus_Assignments
$ git init
Initialized empty Git repository in C:/Users/Vinayak Khandelwal/Desktop/Nucleus_
Assignments/.git/
```

Connecting local to remote

```
Vinayak Khandelwal@Crimemastergogo MINGW64 ~/Desktop/Nucleus_Assignments (main)
$ git remote add origin git@github.com:mistborns/Nucleus_Assignment.git
git branch -M main
git push -u origin main
```

File creation

```
Vinayak Khandelwal@Crimemastergogo MINGW64 ~/Desktop/Nucleus_Assignments (main)
$ touch test.txt
```

Branch Creation

```
PS C:\Users\Vinayak Khandelwal\Desktop\Nucleus_Assignments> git branch newb
PS C:\Users\Vinayak Khandelwal\Desktop\Nucleus_Assignments> git checkout newb
```

Merging the branches

```
PS C:\Users\Vinayak Khandelwal\Desktop\Nucleus_Assignments> git merge newb
```

Pulling the changes

```
PS C:\Users\Vinayak Khandelwal\Desktop\Nucleus_Assignments> git pull origin main
From github.com:mistborns/Nucleus_Assignment
 * branch            main           -> FETCH_HEAD
```

Log

```
  PS C:\Users\Vinayak Khandelwal\Desktop\Nucleus_Assignments> git log
  commit a1b033ec6133de004fb8ce2af7eeaf218d51e536 (HEAD -> main)
  Merge: eecdf66 5fa1392
  Author: mistborns <khandelwalpranay2003@gmail.com>
  Date:   Wed Feb 19 15:15:01 2025 +0530

      another test
```

Status and staging

```
Vinayak Khandelwal@Crimemastergogo MINGW64 ~/Desktop/Nucleus_Assignments (main)
$ git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        test.txt

nothing added to commit but untracked files present (use "git add" to track)
```

Reverting after merge

```
PS C:\Users\Vinayak Khandelwal\Desktop\Nucleus_Assignments> git revert -m 1 HEAD.
```