

MODULE -1

Managing Source Code – Git and GitHub

Submitted by:Bonagiri Manohar

Date of Submission:31-03-2025

3. L3 - Using Local and Remote git repositories demonstrate git pull and git fetch. Compare the differences.

Step 1:Clone the Git repository,by git clone <url> command

```
sree@DESKTOP-URR5HER MINGW64 ~/Desktop/Start/Git assiessment (main)
$ git clone https://github.com/MANOHARBONAGIRI28/gir-pratice.git
Cloning into 'gir-pratice'...
remote: Enumerating objects: 45, done.
remote: Counting objects: 100% (45/45), done.
remote: Compressing objects: 100% (28/28), done.
remote: Total 45 (delta 15), reused 40 (delta 10), pack-reused 0 (from 0)
Receiving objects: 100% (45/45), 4.10 KiB | 246.00 KiB/s, done.
Resolving deltas: 100% (15/15), done.

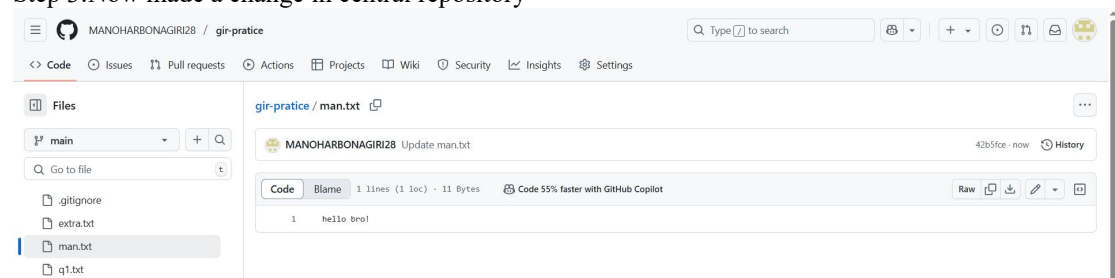
sree@DESKTOP-URR5HER MINGW64 ~/Desktop/Start/Git assiessment (main)
$ |
```

Step 2: now check whether there is any changes in central repository , by using git fetch command

```
sree@DESKTOP-URR5HER MINGW64 ~/Desktop/Start/Git assiessment (main)
$ git fetch

sree@DESKTOP-URR5HER MINGW64 ~/Desktop/Start/Git assiessment (main)
$ |
```

Step 3:Now made a change in central repository

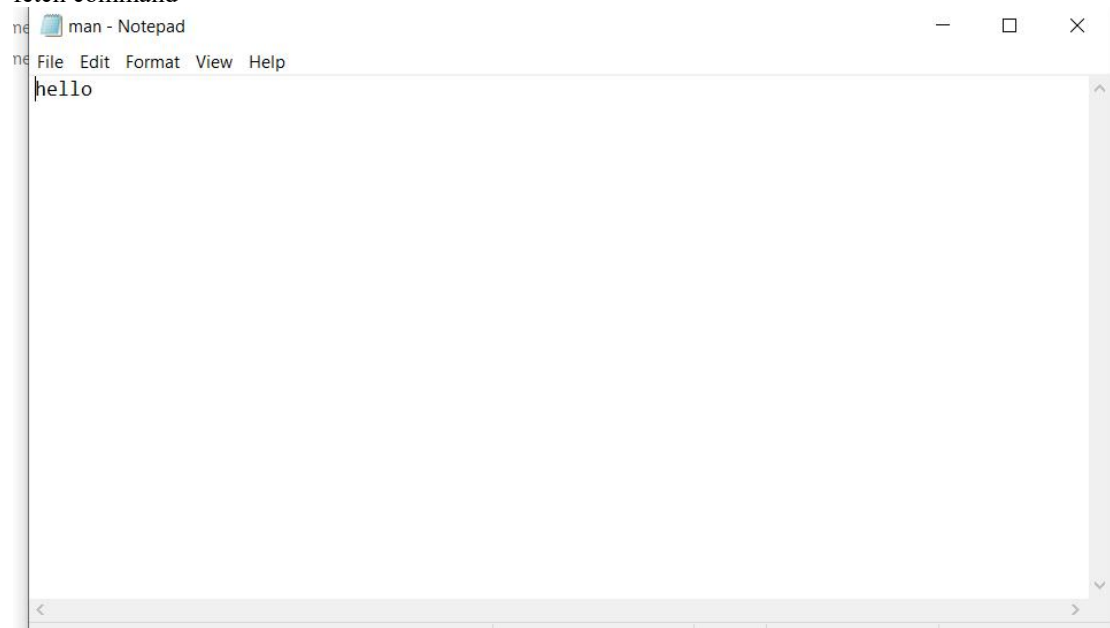


Step 4:now you check the change had been done in the central repository

```
sree@DESKTOP-URR5HER MINGW64 ~/Desktop/Start/Git assiessment/gir-pratice (main)
$ git fetch
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 920 bytes | 22.00 KiB/s, done.
From https://github.com/MANOHARBONAGIRI28/gir-pratice
  3e0757f..42b5fce  main    -> origin/main

sree@DESKTOP-URR5HER MINGW64 ~/Desktop/Start/Git assiessment/gir-pratice (main)
$ |
```

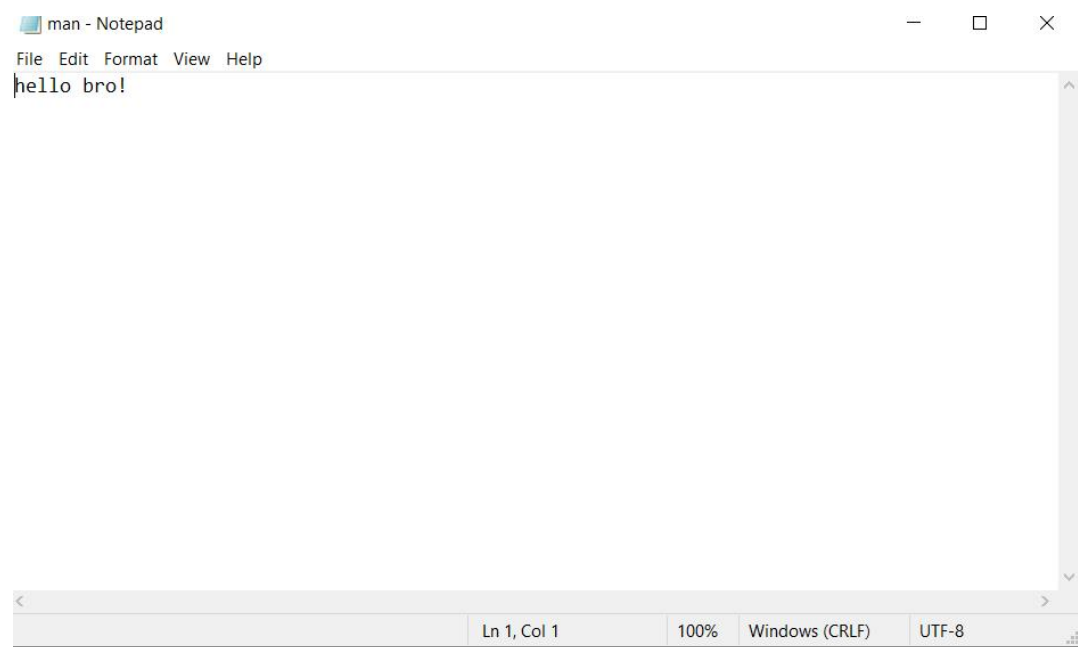
Step 5: But the changes will not be updated on local repository what you made in central by using git fetch command



STEP 6: If we use git pull command the changes which are made in central repository those will be updated in local also.

```
sree@DESKTOP-URR5HER MINGW64 ~/Desktop/Start/Git assiessment/gir-pratice (main)
$ git pull
Updating 3e0757f..42b5fce
Fast-forward
 man.txt | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)

sree@DESKTOP-URR5HER MINGW64 ~/Desktop/Start/Git assiessment/gir-pratice (main)
$ |
```



Difference:

Git Fetch: This command will only check whether the changes are made in central repository or not, but it will not download. If we want to download the changes we need to use merge command then it will download the changes present in central.

Git Pull: It will check the changes are made in central repository if any changes was done it will automatically updated by using git pull command