1. Git - HOL

Superset ID : 6384831

Name : Mohana Priya N

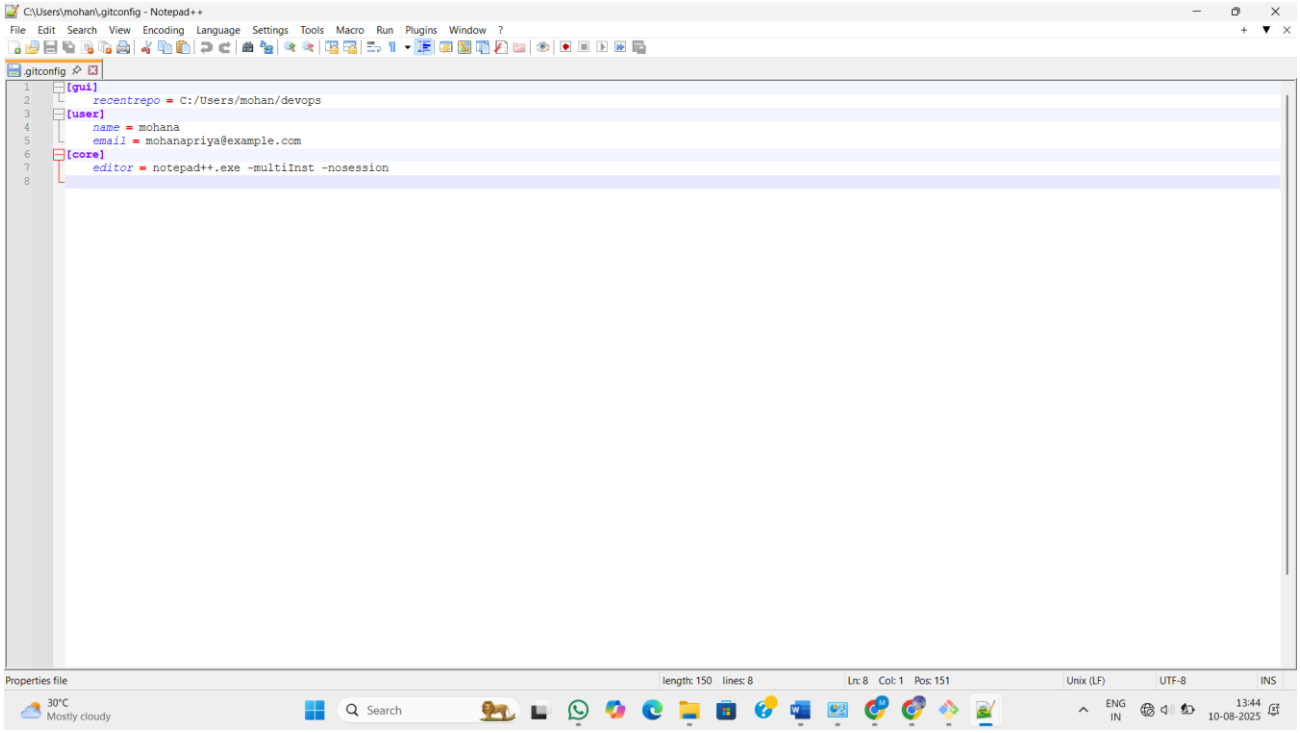
E-mail : mohanapriya.2205056@srec.ac.in

1) Exercise 1: GitDemo

Solution:

//.gitconfig

```
[gui]
        recentrepo = C:/Users/mohan/devops
[user]
        name = mohana
        email = mohanapriya@example.com
[core]
        editor = notepad++.exe -multiInst -nosession
```



//COMMIT_EDITMSG

```
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
```

```
#
# On branch master
#
# Initial commit
#
# Changes to be committed:
#       new file:   welcome.txt
#
# Untracked files:
#       .bash_history
#       .cache/
#       .eclipse/
#       .gitconfig
#       .idlerc/
#       .ipython/
#       .lesshst
#       .m2/
#       .node_repl_history
#       .nuget/
#       .p2/
#       .streamlit/
#       .vscode/
#       .zenmap/
#       3a.py
#       3a1.py
#       AppData/
#       Cognizant-assessment/
#       Contacts/
#       Downloads/
#       Favorites/
```

GitDemo/

IntelGraphicsProfiles/

Links/

Microsoft/

Music/

NTUSER.DAT

NTUSER.DAT{251b9ba5-f68f-11ef-8470-f64502dfdcb8}.TxR.0.regtrans-ms

NTUSER.DAT{251b9ba5-f68f-11ef-8470-f64502dfdcb8}.TxR.1.regtrans-ms

NTUSER.DAT{251b9ba5-f68f-11ef-8470-f64502dfdcb8}.TxR.2.regtrans-ms

NTUSER.DAT{251b9ba5-f68f-11ef-8470-f64502dfdcb8}.TxR.blf

NTUSER.DAT{251b9ba6-f68f-11ef-8470-f64502dfdcb8}.TM.blf

NTUSER.DAT{251b9ba6-f68f-11ef-8470-f64502dfdcb8}.TMContainer00000000000000000001.regtrans-ms

NTUSER.DAT{251b9ba6-f68f-11ef-8470-f64502dfdcb8}.TMContainer00000000000000000002.regtrans-ms

OneDrive/

Oracle/

Pictures/

Saved Games/

Searches/

Videos/

bash

devops/

eclipse-workspace/

eclipse/

mini.py

my-app/

node_modules/

ntuser.dat.LOG1

ntuser.dat.LOG2

ntuser.ini

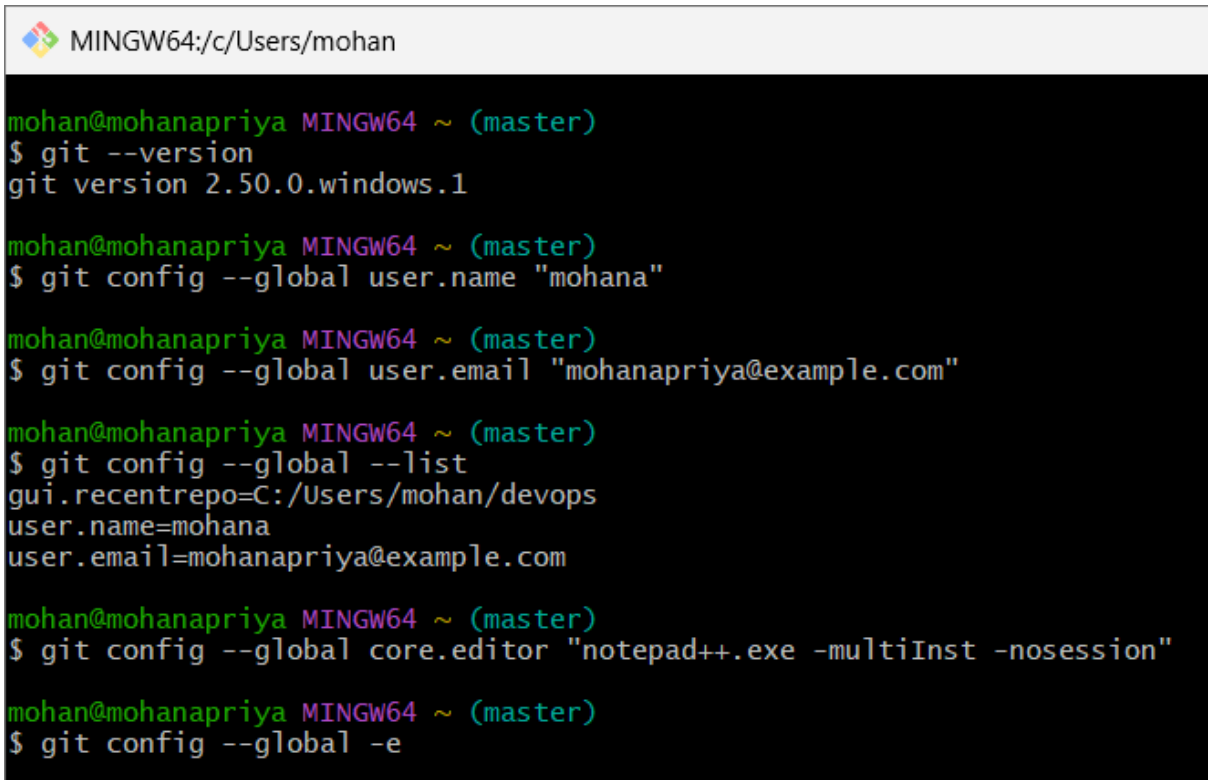
package-lock.json

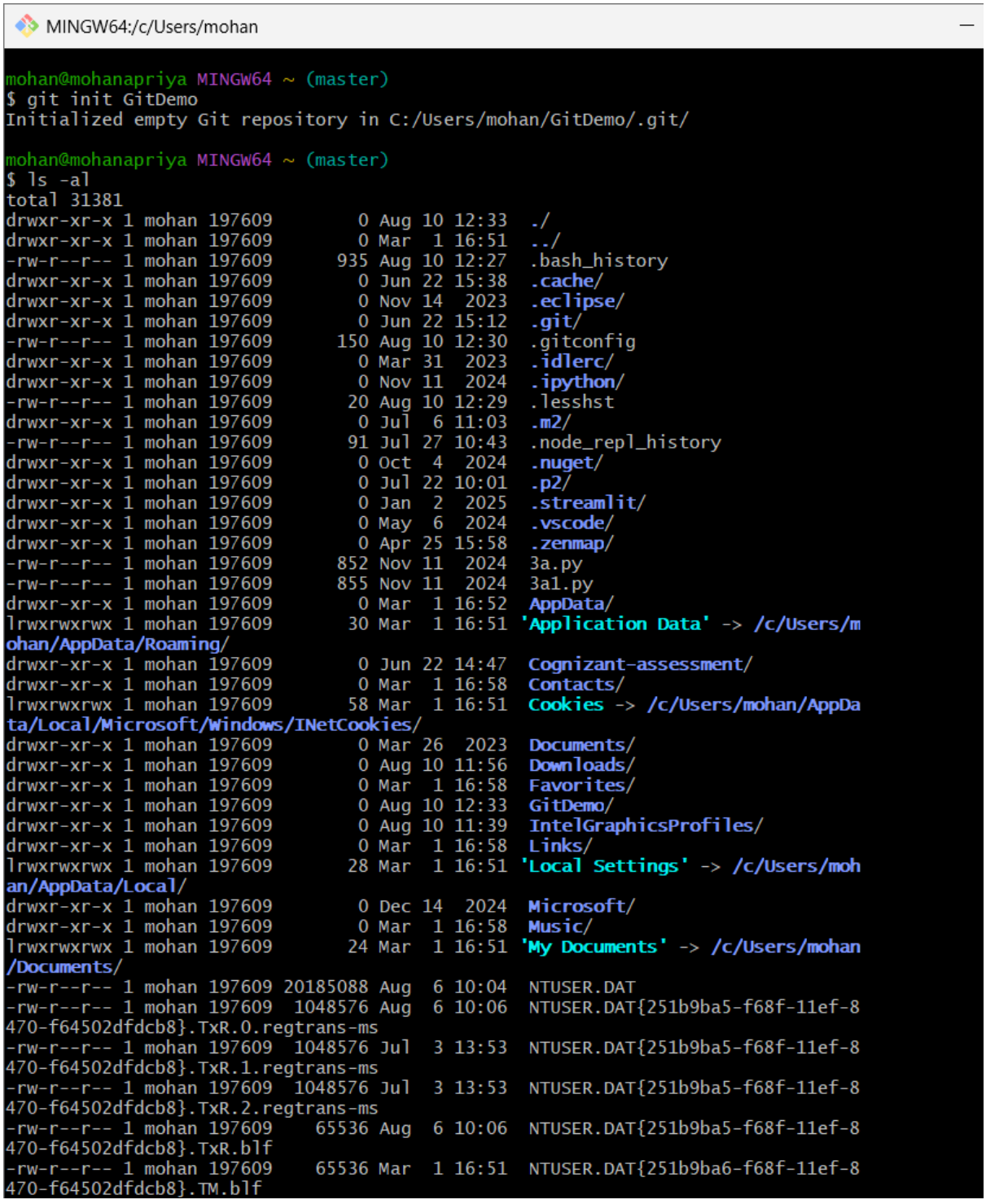
package.json

practice.txt

tras.py

OUTPUT:

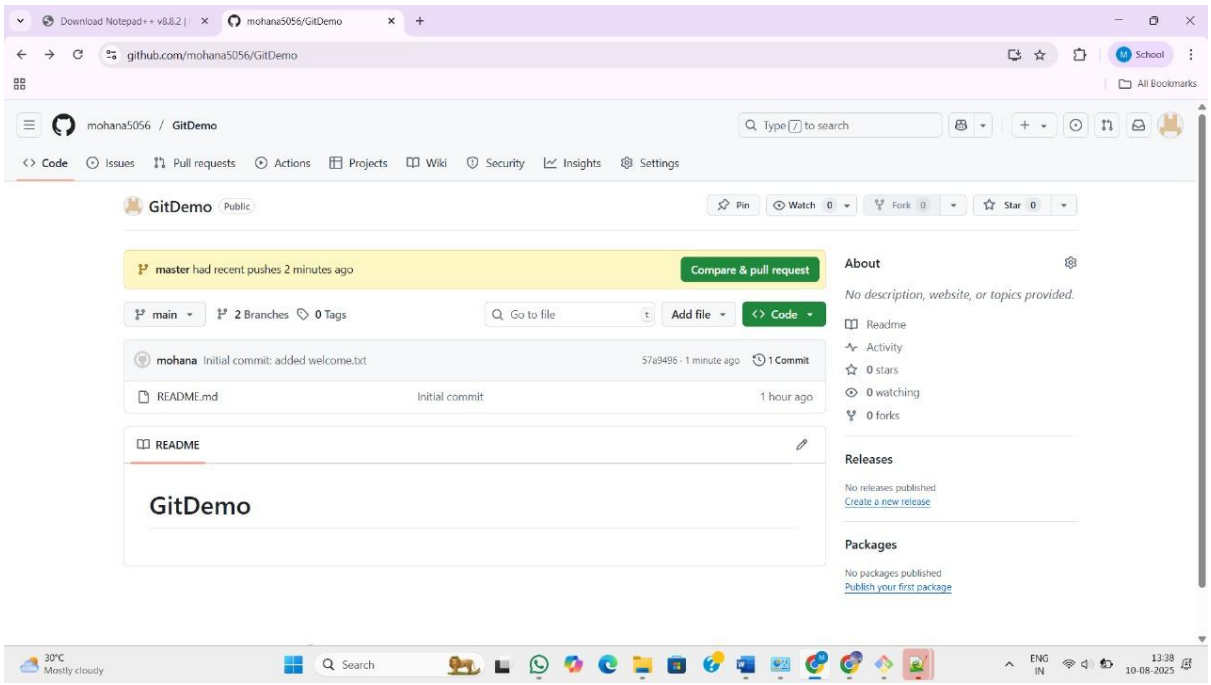


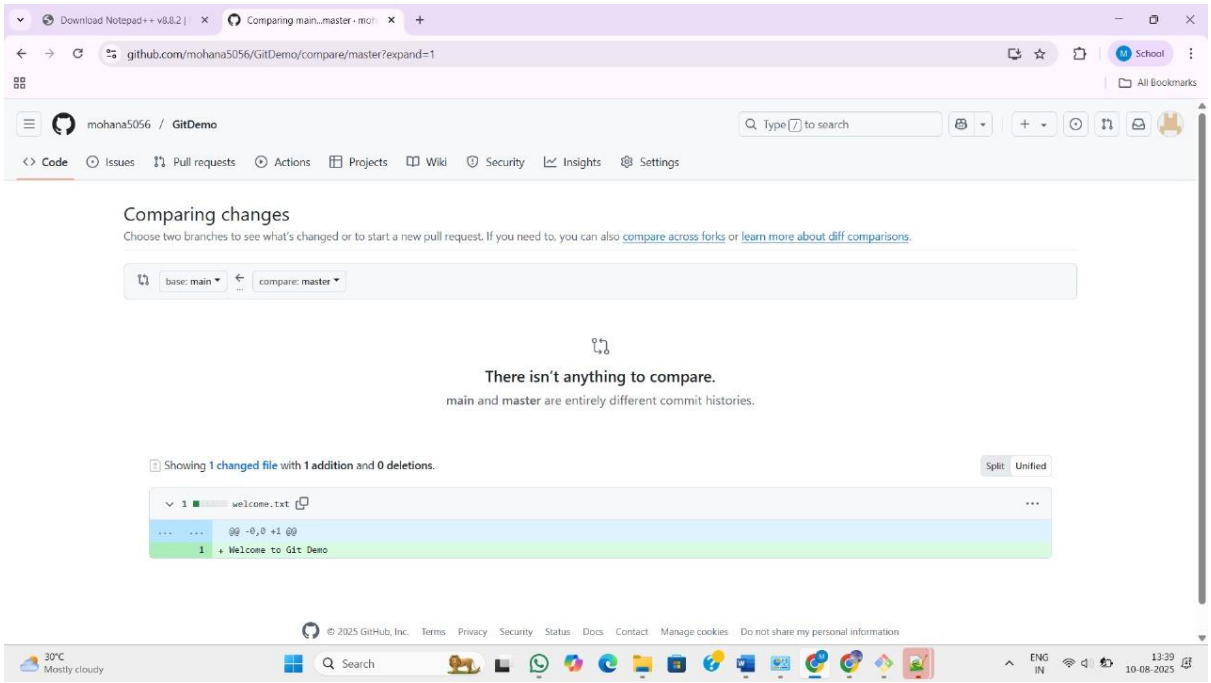

MINGW64:/c/Users/mohan
mohan@mohanapriya MINGW64 ~ (master)
$ git init GitDemo
Initialized empty Git repository in C:/Users/mohan/GitDemo/.git/
mohan@mohanapriya MINGW64 ~ (master)
$ ls -al
total 31381
drwxr-xr-x 1 mohan 197609 0 Aug 10 12:33 ./
drwxr-xr-x 1 mohan 197609 0 Mar 1 16:51 ../
-rw-r--r-- 1 mohan 197609 935 Aug 10 12:27 .bash_history
drwxr-xr-x 1 mohan 197609 0 Jun 22 15:38 .cache/
drwxr-xr-x 1 mohan 197609 0 Nov 14 2023 .eclipse/
drwxr-xr-x 1 mohan 197609 0 Jun 22 15:12 .git/
-rw-r--r-- 1 mohan 197609 150 Aug 10 12:30 .gitconfig
drwxr-xr-x 1 mohan 197609 0 Mar 31 2023 .idlerc/
drwxr-xr-x 1 mohan 197609 0 Nov 11 2024 .ipython/
-rw-r--r-- 1 mohan 197609 20 Aug 10 12:29 .lesshst
drwxr-xr-x 1 mohan 197609 0 Jul 6 11:03 .m2/
-rw-r--r-- 1 mohan 197609 91 Jul 27 10:43 .node_repl_history
drwxr-xr-x 1 mohan 197609 0 Oct 4 2024 .nuget/
drwxr-xr-x 1 mohan 197609 0 Jul 22 10:01 .p2/
drwxr-xr-x 1 mohan 197609 0 Jan 2 2025 .streamlit/
drwxr-xr-x 1 mohan 197609 0 May 6 2024 .vscode/
drwxr-xr-x 1 mohan 197609 0 Apr 25 15:58 .zenmap/
-rw-r--r-- 1 mohan 197609 852 Nov 11 2024 3a.py
-rw-r--r-- 1 mohan 197609 855 Nov 11 2024 3a1.py
drwxr-xr-x 1 mohan 197609 0 Mar 1 16:52 AppData/
lrwxrwxrwx 1 mohan 197609 30 Mar 1 16:51 'Application Data' -> /c/Users/mohan/AppData/Roaming/
drwxr-xr-x 1 mohan 197609 0 Jun 22 14:47 Cognizant-assessment/
drwxr-xr-x 1 mohan 197609 0 Mar 1 16:58 Contacts/
lrwxrwxrwx 1 mohan 197609 58 Mar 1 16:51 Cookies -> /c/Users/mohan/AppData/Local/Microsoft/Windows/INetCookies/
drwxr-xr-x 1 mohan 197609 0 Mar 26 2023 Documents/
drwxr-xr-x 1 mohan 197609 0 Aug 10 11:56 Downloads/
drwxr-xr-x 1 mohan 197609 0 Mar 1 16:58 Favorites/
drwxr-xr-x 1 mohan 197609 0 Aug 10 12:33 GitDemo/
drwxr-xr-x 1 mohan 197609 0 Aug 10 11:39 IntelGraphicsProfiles/
drwxr-xr-x 1 mohan 197609 0 Mar 1 16:58 Links/
lrwxrwxrwx 1 mohan 197609 28 Mar 1 16:51 'Local Settings' -> /c/Users/mohan/AppData/Local/
drwxr-xr-x 1 mohan 197609 0 Dec 14 2024 Microsoft/
drwxr-xr-x 1 mohan 197609 0 Mar 1 16:58 Music/
lrwxrwxrwx 1 mohan 197609 24 Mar 1 16:51 'My Documents' -> /c/Users/mohan/Documents/
-rw-r--r-- 1 mohan 197609 20185088 Aug 6 10:04 NTUSER.DAT
-rw-r--r-- 1 mohan 197609 1048576 Aug 6 10:06 NTUSER.DAT{251b9ba5-f68f-11ef-8470-f64502dfdcb8}.TxR.0.regtrans-ms
-rw-r--r-- 1 mohan 197609 1048576 Jul 3 13:53 NTUSER.DAT{251b9ba5-f68f-11ef-8470-f64502dfdcb8}.TxR.1.regtrans-ms
-rw-r--r-- 1 mohan 197609 1048576 Jul 3 13:53 NTUSER.DAT{251b9ba5-f68f-11ef-8470-f64502dfdcb8}.TxR.2.regtrans-ms
-rw-r--r-- 1 mohan 197609 65536 Aug 6 10:06 NTUSER.DAT{251b9ba5-f68f-11ef-8470-f64502dfdcb8}.TxR.blf
-rw-r--r-- 1 mohan 197609 65536 Mar 1 16:51 NTUSER.DAT{251b9ba6-f68f-11ef-8470-f64502dfdcb8}.TM.blf

```
mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ git pull origin main --rebase
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 854 bytes | 56.00 KiB/s, done.
From https://github.com/mohana5056/GitDemo
 * branch            main       -> FETCH_HEAD
 * [new branch]      main       -> origin/main
Successfully rebased and updated refs/heads/main.

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 314 bytes | 314.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/mohana5056/GitDemo.git
   9c63db2..57a9496  main -> main
branch 'main' set up to track 'origin/main'.

mohan@mohanapriya MINGW64 ~/GitDemo (main)
```

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Comparing main...master · mo
github.com/mohana5056/GitDemo/compare/master?expand=1
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Code
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Pull requests
Actions
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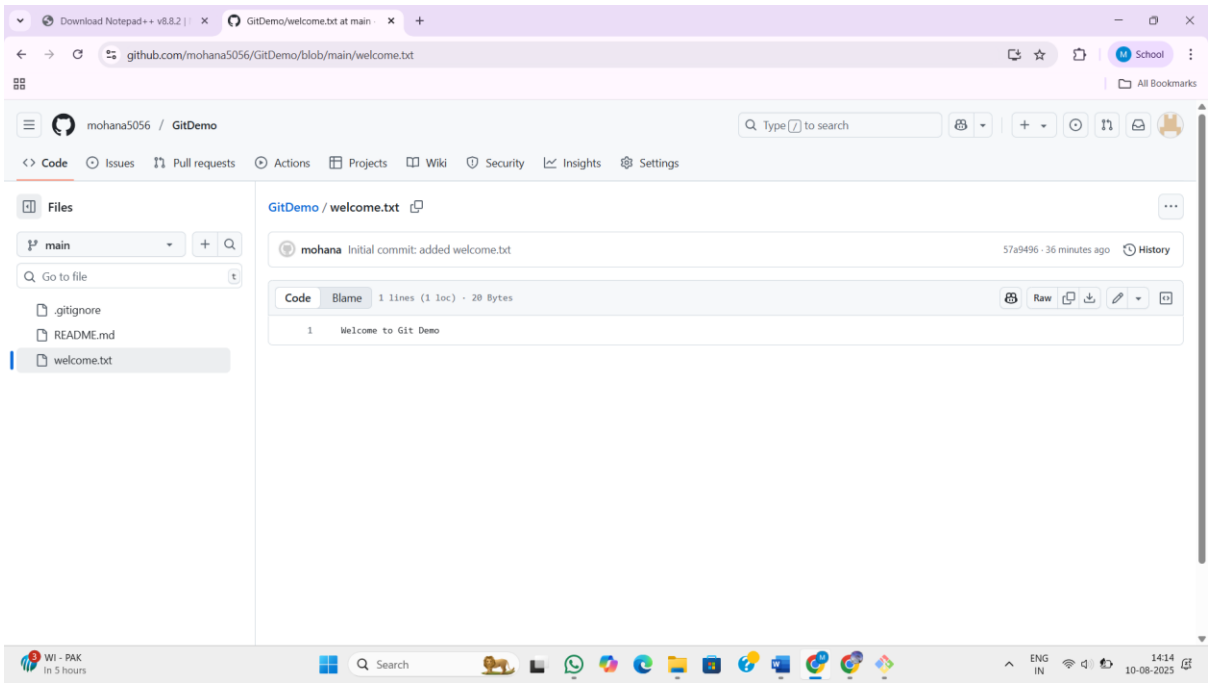
Insights
Settings
Comparing changes
Choose two branches to see what's changed or to start a new pull request. If you need to, you can also compare across forks or learn more about diff comparisons.
base: main
compare: master
There isn't anything to compare.
main and master are entirely different commit histories.
Showing 1 changed file with 1 addition and 0 deletions.
Split
Unified
1 welcome.txt
@@ -0,0 +1 @@
1 + Welcome to Git Demo
© 2025 GitHub, Inc. Terms Privacy Security Status Docs Contact Manage cookies Do not share my personal information
30°C
Mostly cloudy
Search
ENG
IN
13:39
10-08-2025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GitDemo/welcome.txt at main ·
github.com/mohana5056/GitDemo/blob/main/welcome.txt
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Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Files
main
Go to file
.gitignore
README.md
welcome.txt
GitDemo / welcome.txt
mohana Initial commit: added welcome.txt
57a9496 · 36 minutes ago
History
Code
Blame
1 lines (1 loc) · 20 Bytes
Raw
1 Welcome to Git Demo
WI - PAK
in 5 hours
Search
ENG
IN
14:14
10-08-2025