

1. Git - HOL

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1) Exercise 1: GitDemo

Solution:

//gitconfig

[gui]

recentrepo = C:/Users//devops

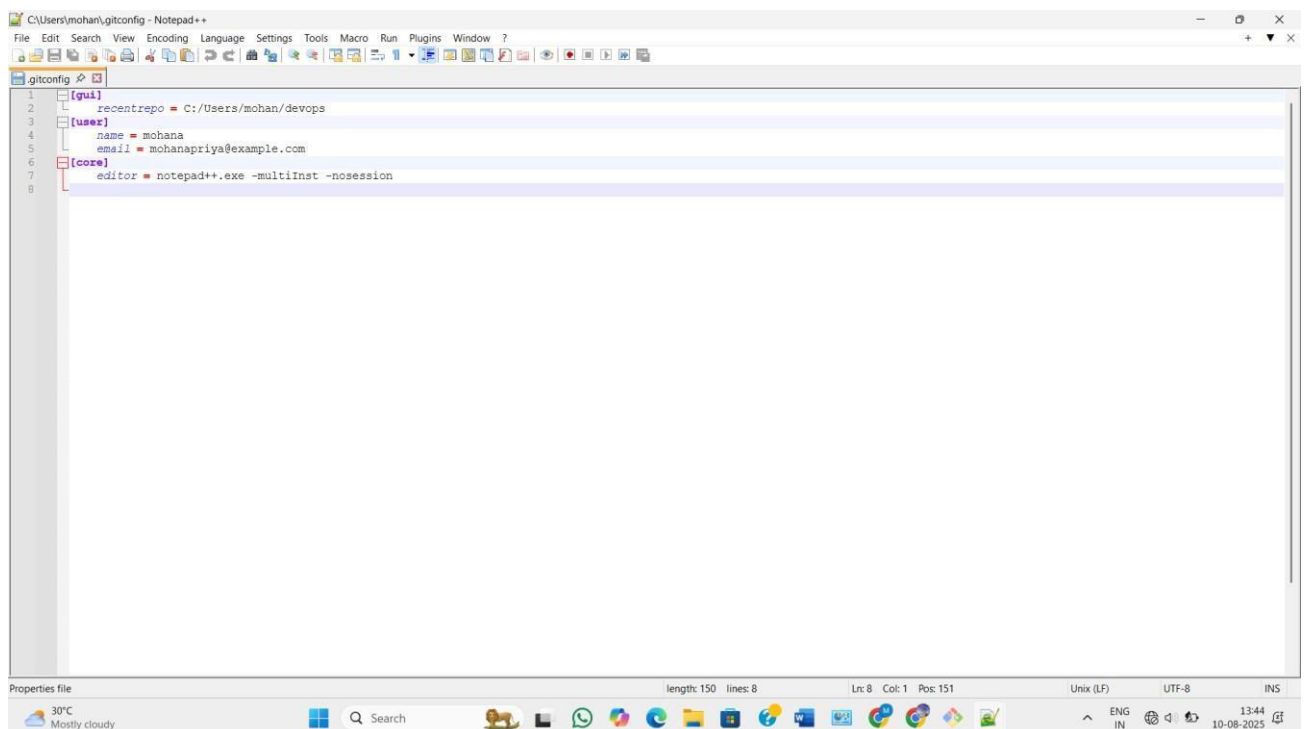
[user]

name = mohana

email = mohanapriya@example.com

[core]

editor = notepad++.exe -multiInst -nosession



//COMMIT_EDITMSG

Please enter the commit message for your changes. Lines starting

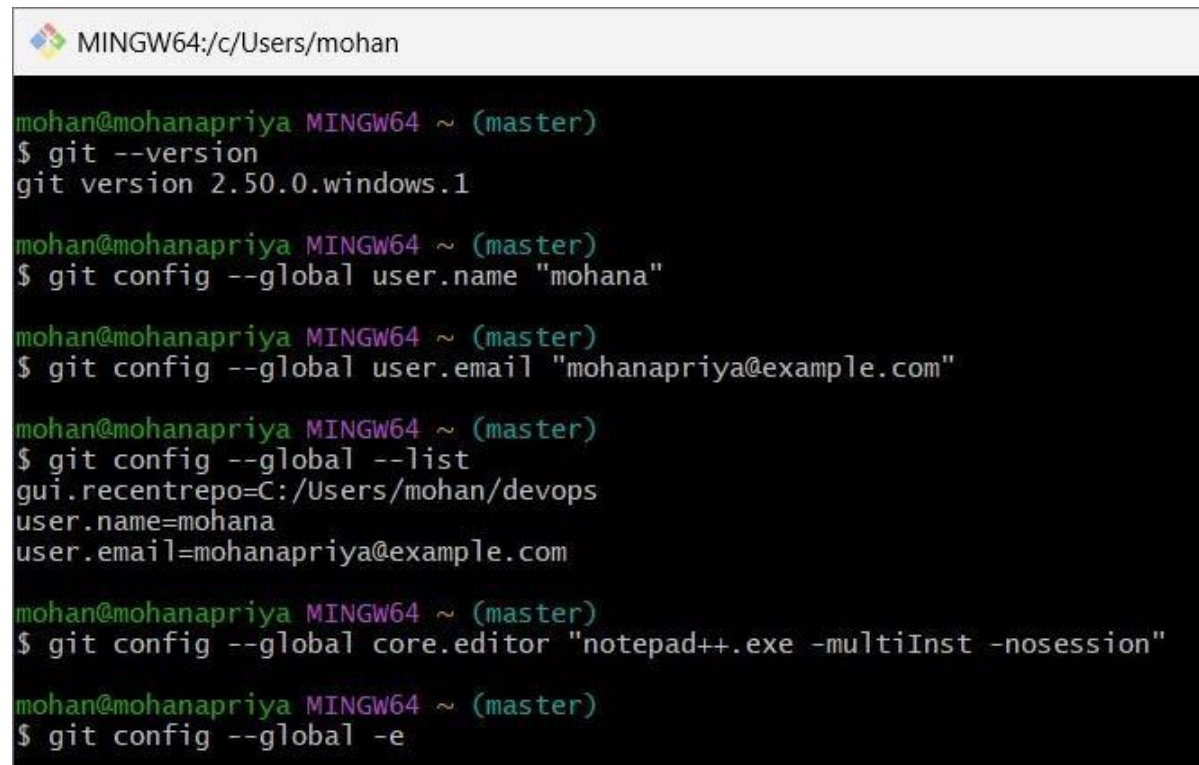
with '#' will be ignored, and an empty message aborts the commit.

```
#  
  
# On branch master  
  
#  
# Initial commit  
#  
# Changes to be committed:  
#       new file:   welcome.txt  
#  
# Untracked files:  
#       .bash_history  
#       .cache/  
#       .eclipse/  
#       .gitconfig  
#       .idlerc/  
#       .ipython/  
#       .lessht  
#       .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-f64502dfdc8}.TxR.0.regtrans-
ms
# NTUSER.DAT{251b9ba5-f68f-11ef-8470-f64502dfdc8}.TxR.1.regtrans-
ms
# NTUSER.DAT{251b9ba5-f68f-11ef-8470-f64502dfdc8}.TxR.2.regtrans-
ms
# NTUSER.DAT{251b9ba5-f68f-11ef-8470-f64502dfdc8}.TxR.blf
# NTUSER.DAT{251b9ba6-f68f-11ef-8470-f64502dfdc8}.TM.blf
# NTUSER.DAT{251b9ba6-f68f-11ef-8470-
f64502dfdc8}.TMContainer00000000000000000001.regtrans-ms
# NTUSER.DAT{251b9ba6-f68f-11ef-8470-
f64502dfdc8}.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:

A terminal window with a title bar that reads 'MINGW64:/c/Users/mohan'. The terminal has a black background with green and white text. It shows a series of git commands and their outputs. The prompt is 'mohan@mohanapriya MINGW64 ~ (master)'. The commands and outputs are: 1. '\$ git --version' followed by 'git version 2.50.0.windows.1'. 2. '\$ git config --global user.name "mohana"' followed by a blank line. 3. '\$ git config --global user.email "mohanapriya@example.com"' followed by a blank line. 4. '\$ git config --global --list' followed by 'gui.recentrepo=C:/Users/mohan/devops', 'user.name=mohana', and 'user.email=mohanapriya@example.com'. 5. '\$ git config --global core.editor "notepad++.exe -multiInst -nosession"' followed by a blank line. 6. '\$ git config --global -e' followed by a blank line.

```
MINGW64:/c/Users/mohan

mohan@mohanapriya MINGW64 ~ (master)
$ git --version
git version 2.50.0.windows.1

mohan@mohanapriya MINGW64 ~ (master)
$ git config --global user.name "mohana"

mohan@mohanapriya MINGW64 ~ (master)
$ git config --global user.email "mohanapriya@example.com"

mohan@mohanapriya MINGW64 ~ (master)
$ git config --global --list
gui.recentrepo=C:/Users/mohan/devops
user.name=mohana
user.email=mohanapriya@example.com

mohan@mohanapriya MINGW64 ~ (master)
$ git config --global core.editor "notepad++.exe -multiInst -nosession"

mohan@mohanapriya MINGW64 ~ (master)
$ git config --global -e
```

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 .lessht
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/m
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/AppDa
ta/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/moh
an/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-8
470-f64502dfdc8}.TxR.0.regtrans-ms
-rw-r--r-- 1 mohan 197609 1048576 Jul  3 13:53 NTUSER.DAT{251b9ba5-f68f-11ef-8
470-f64502dfdc8}.TxR.1.regtrans-ms
-rw-r--r-- 1 mohan 197609 1048576 Jul  3 13:53 NTUSER.DAT{251b9ba5-f68f-11ef-8
470-f64502dfdc8}.TxR.2.regtrans-ms
-rw-r--r-- 1 mohan 197609  65536 Aug  6 10:06 NTUSER.DAT{251b9ba5-f68f-11ef-8
470-f64502dfdc8}.TxR.b1f
-rw-r--r-- 1 mohan 197609  65536 Mar  1 16:51 NTUSER.DAT{251b9ba6-f68f-11ef-8
470-f64502dfdc8}.TM.b1f
```

```

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)

```

