

1. Git-HOL

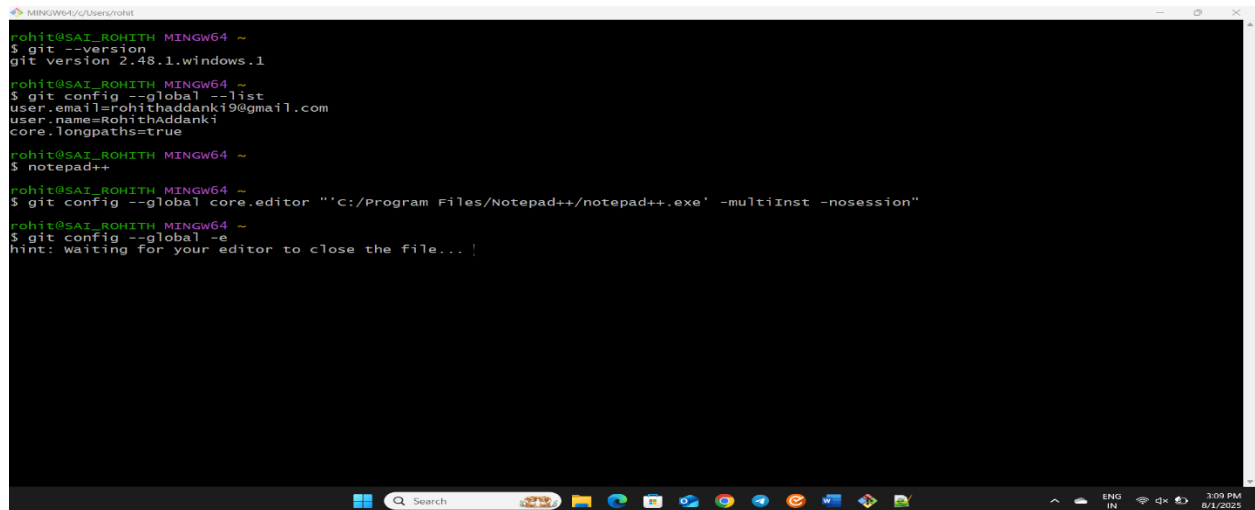
```
rohit@SAI_ROHITH MINGW64 ~  
$ git --version  
git version 2.48.1.windows.1
```

```
rohit@SAI_ROHITH MINGW64 ~  
$ git config --global --list  
user.email=rohithaddanki9@gmail.com  
user.name=RohithAddanki  
core.longpaths=true
```

```
rohit@SAI_ROHITH MINGW64 ~  
$ notepad++
```

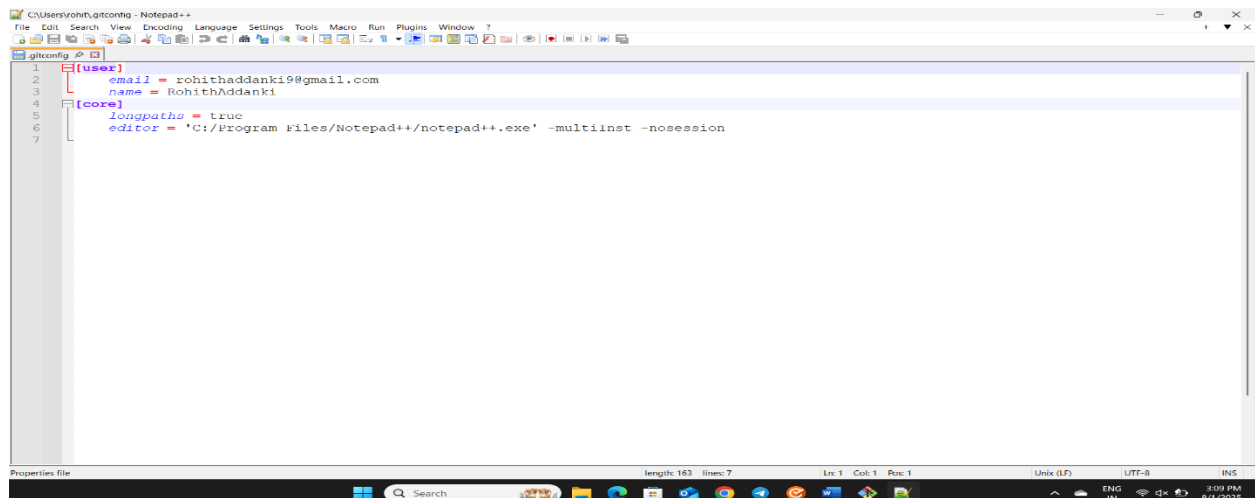
```
rohit@SAI_ROHITH MINGW64 ~  
$ git config --global core.editor "'C:/Program  
Files/Notepad++/notepad++.exe' -multiInst -nosession"
```

```
rohit@SAI_ROHITH MINGW64 ~  
$ git config --global -e
```



A screenshot of a terminal window titled "MINGW64/C:/Users/rohit". The terminal shows the following commands and output:

```
rohit@SAI_ROHITH MINGW64 ~  
$ git --version  
git version 2.48.1.windows.1  
  
rohit@SAI_ROHITH MINGW64 ~  
$ git config --global --list  
user.email=rohithaddanki9@gmail.com  
user.name=RohithAddanki  
core.longpaths=true  
  
rohit@SAI_ROHITH MINGW64 ~  
$ notepad++  
  
rohit@SAI_ROHITH MINGW64 ~  
$ git config --global core.editor "'C:/Program Files/Notepad++/notepad++.exe' -multiInst -nosession"  
  
rohit@SAI_ROHITH MINGW64 ~  
$ git config --global -e  
hint: waiting for your editor to close the file... !
```



A screenshot of a Notepad++ window titled "C:/Users/rohit/.gitconfig - Notepad++". The window shows the contents of the .gitconfig file, which are:

```
1 [user]  
2   email = rohithaddanki9@gmail.com  
3   name = RohithAddanki  
4 [core]  
5   longpaths = true  
6   editor = 'C:/Program Files/Notepad++/notepad++.exe' -multiinst -nosession  
7
```

```
rohit@SAI_ROHITH MINGW64 ~
$ cd /c/Users/rohit/Desktop/Cognizant/GitWorkspace

rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace
$ mkdir GitDemo

rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace
$ cd GitDemo

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo
$ git init
Initialized empty Git repository in
C:/Users/rohit/Desktop/Cognizant/GitWorkspace/GitDemo/.git/

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ pwd
/c/Users/rohit/Desktop/Cognizant/GitWorkspace/GitDemo

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ ls -a
./ ../ .git/

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ echo "welcome to Git Hands-on Lab" > welcome.txt

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ ls
welcome.txt

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ cat welcome.txt
welcome to Git Hands-on Lab

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git status
On branch master

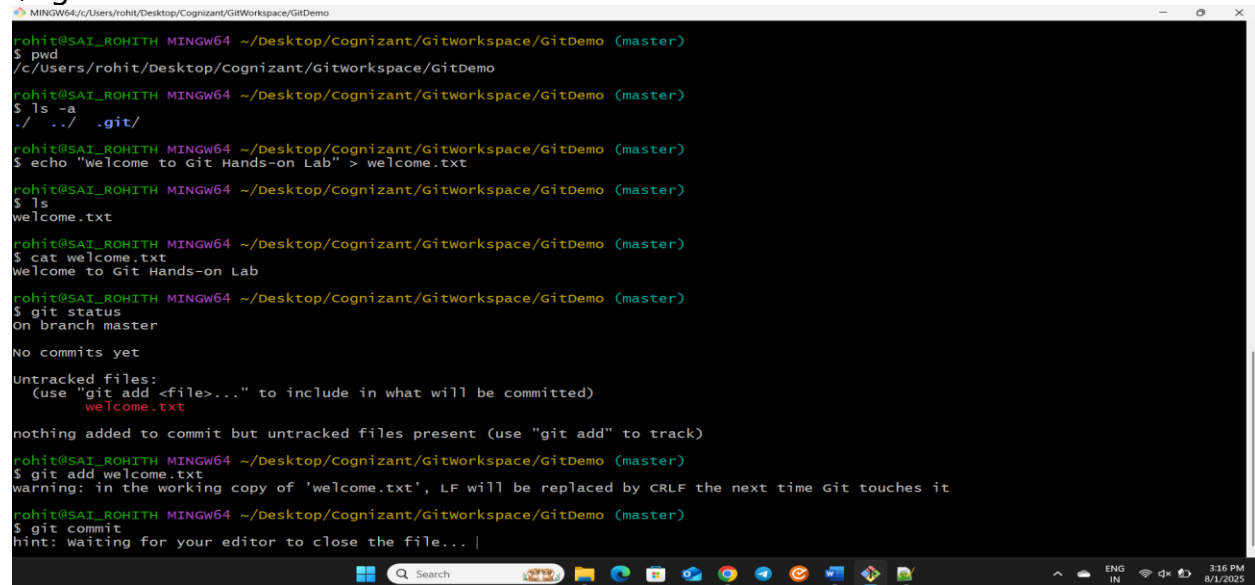
No commits yet

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

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

```
rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git add welcome.txt
warning: in the working copy of 'welcome.txt', LF will be
replaced by CRLF the next time Git touches it
```

```
rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git commit
```



```
rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ pwd
/c:/Users/rohit/Desktop/Cognizant/GitWorkspace/GitDemo

rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ ls -a
./ ../ .git/

rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ echo "Welcome to Git Hands-on Lab" > welcome.txt

rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ ls
welcome.txt

rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ cat welcome.txt
Welcome to Git Hands-on Lab

rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git status
On branch master

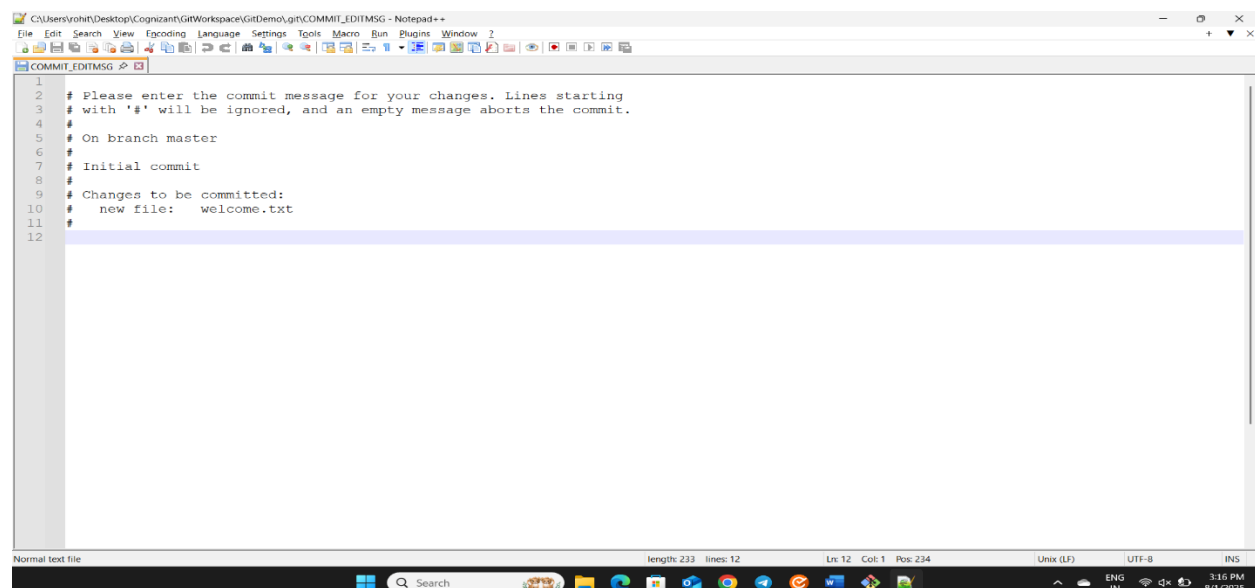
No commits yet

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

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

rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git add welcome.txt
warning: in the working copy of 'welcome.txt', LF will be replaced by CRLF the next time Git touches it

rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git commit
hint: Waiting for your editor to close the file... |
```



```
C:\Users\rohit\Desktop\Cognizant\GitWorkspace\GitDemo\git\COMMIT_EDITMSG - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
COMMIT_EDITMSG
1
2 # Please enter the commit message for your changes. Lines starting
3 # with '#' will be ignored, and an empty message aborts the commit.
4 #
5 # On branch master
6 #
7 # Initial commit
8 #
9 # Changes to be committed:
10 #   new file:   welcome.txt
11 #
12
```

Aborting commit due to empty commit message.

```
rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git status
On branch master
```

No commits yet

```
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   welcome.txt
```

```
rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git commit -m "Initial commit: added welcome.txt"
[master (root-commit) f0dbc3c] Initial commit: added welcome.txt
1 file changed, 1 insertion(+)
create mode 100644 welcome.txt
```

```
rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git status
On branch master
nothing to commit, working tree clean
```

```
rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git add welcome.txt
```

```
rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git commit -m "Initial commit: added welcome.txt"
On branch master
nothing to commit, working tree clean
```

```
rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git push -u origin master
info: please complete authentication in your browser...
warning: redirecting to
https://gitlab.com/rohithaddanki/gitdemo.git/
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 259 bytes | 259.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for master, visit:
remote:   https://gitlab.com/rohithaddanki/gitdemo/-
/merge_requests/new?merge_request%5Bsource_branch%5D=master
remote:
To https://gitlab.com/rohithaddanki/gitdemo
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
```

```
MINGW64/c/Users/rohit/Desktop/Cognizant/GitWorkspace/GitDemo
fatal: your current branch 'master' does not have any commits yet

rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git commit -m "Initial commit: added welcome.txt"
[master (root-commit) f0dbc3c] Initial commit: added welcome.txt
1 file changed, 1 insertion(+)
create mode 100644 welcome.txt

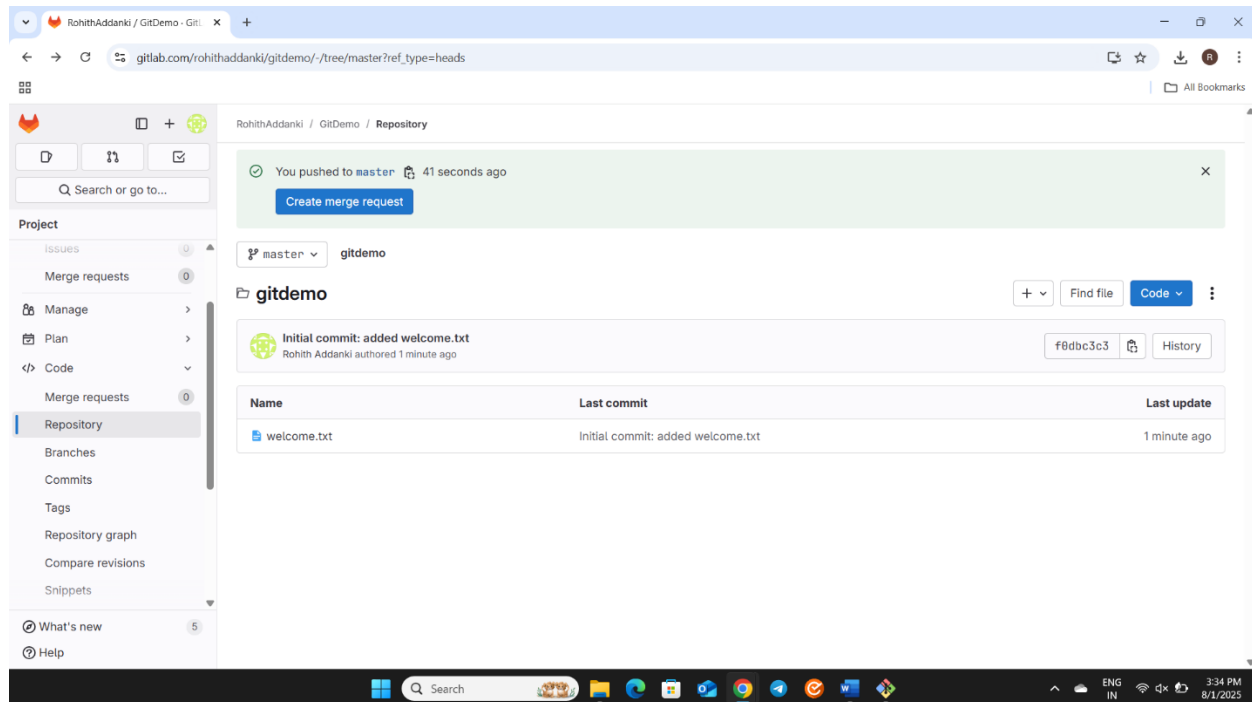
rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git status
On branch master
nothing to commit, working tree clean

rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git add welcome.txt

rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git commit -m "Initial commit: added welcome.txt"
On branch master
nothing to commit, working tree clean

rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git push -u origin master
info: please complete authentication in your browser...
warning: redirecting to https://gitlab.com/rohithaddanki/gitdemo.git/
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 259 bytes | 259.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for master, visit:
remote: https://gitlab.com/rohithaddanki/gitdemo/-/merge_requests/new?merge_request%5Bsource_branch%5D=master
remote:
To https://gitlab.com/rohithaddanki/gitdemo
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.

rohit@SAI_ROHITH MINGW64 ~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$
```



Repository Link: <https://gitlab.com/rohithaddanki/gitdemo.git>