

1. Create a folder called learn_git.

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents
$ mkdir learn_git
```

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents
$ ls -a
```

- Output after listing all directories in the documents folder of learn_git:

```
dataset.xlsx
desktop.ini
'example1 27thMay.circ'
'functions assignment qn6 &7.docx'
'geeks for geeks.txt'
'git clone branch procedure.txt'
learn_git/
learn_git2/
listtwo_update_qsn001.cpp
listtwo_update_qsn001.exe*
```

2. Cd (change directory) into the learn_git folder:

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents
$ cd learn_git

Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git
$
```

3. Create a file called third.txt:

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git
$ touch third.txt

Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git
$ ls -a
./ ../ third.txt

Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git
$
```

4. Initialize an empty git repository:

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git
$ git init
Initialized empty Git repository in C:/Users/Ryan/Documents/learn_git/.git/

Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git (main)
$
```

5. Add third.txt to the staging area

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git (main)
$ git add third.txt
```

6. Commit with the message "adding third.txt".

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git (main)
$ git commit -m "Adding third.txt"
[main (root-commit) 04c4f69] Adding third.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 third.txt
```

7. Check out your commit with git log.

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git (main)
$ git log
commit 04c4f694c9b2f6669ad3bf25b2985d94f048ab4a (HEAD -> main)
Author: Gichana565 <gichanaryan565@gmail.com>
Date: Mon Nov 27 11:56:44 2023 +0300

    Adding third.txt
```

8. Create another file called fourth.txt.

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git (main)
$ touch fourth.txt

Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git (main)
$ ls -a
./ ../ .git/ fourth.txt third.txt
```

9. Add fourth.txt to the staging area.

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git (main)
$ git add fourth.txt
```

10. Commit with the message "adding fourth.txt".

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git (main)
$ git commit -m "Adding fourth.txt"
[main 2d1031a] Adding fourth.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 fourth.txt
```

11. Remove the third.txt file.

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git (main)
$ git rm --cached third.txt
rm 'third.txt'
```

12. Add this change to the staging area using 'git add .' command

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git (main)
$ git add .
```

13. Commit with the message "removing third.txt"

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git (main)
$ git commit -m "Removing third.txt"
[main f0abe92] Removing third.txt
1 file changed, 0 insertions(+), 0 deletions(-)
delete mode 100644 third.txt
```

14. Check out your commits using git log.

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git (main)
$ git log
commit f0abe927b9d626f54d4b761cb9211f473948db42 (HEAD -> main)
Author: Gichana565 <gichanaryan565@gmail.com>
Date: Mon Nov 27 12:12:44 2023 +0300

    Removing third.txt

commit 2d1031a81b0ec23b058f3c12a1dfa33a69f882c7
Author: Gichana565 <gichanaryan565@gmail.com>
Date: Mon Nov 27 12:01:58 2023 +0300

    Adding fourth.txt

commit 04c4f694c9b2f6669ad3bf25b2985d94f048ab4a
Author: Gichana565 <gichanaryan565@gmail.com>
Date: Mon Nov 27 11:56:44 2023 +0300

    Adding third.txt
```

15. Change your global settings to core.pager = cat.

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git (main)
$ git config --global core.pager "cat"
```

16. Write the appropriate command to list all the global configurations for git on your machine. (You can type git config --global to find out how to do this)

```
Ryan@DESKTOP-DJVG1KN MINGW64 ~/Documents/learn_git (main)
$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/etc/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
user.name=Gichana565
user.email=gichanaryan565@gmail.com
user.username=RyanGichana-github
core.editor='C:\Program Files\Android\Android Studio' -multiInst -notabbar -nose
ssion -noPlugin
core.pager=cat
init.defaultbranch=main
alias.i=init
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
```