

# GIT

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January 2025

## Git Commands for the assessment

Below is the sequence of Git commands to follow:

Step 1: Create a folder called learn\_git  
`mkdir learn_git`

Step 2: Change directory into the learn\_git folder  
`cd learn_git`

Step 3: Create a file called third.txt  
`touch third.txt`

Step 4: Initialize an empty git repository  
`git init`

Step 5: Add third.txt to the staging area  
`git add third.txt`

Step 6: Commit with the message "adding third.txt"  
`git commit -m "adding third.txt"`

Step 7: Check out your commit with git log  
`git log`

Step 8: Create another file called fourth.txt  
`touch fourth.txt`

Step 9: Add fourth.txt to the staging area  
`git add fourth.txt`

Step 10: Commit with the message "adding fourth.txt"  
`git commit -m "adding fourth.txt"`

Step 11: Remove the third.txt file

```
rm third.txt
```

Step 12: Add this change to the staging area (removal of third.txt)  
`git add .`

Step 13: Commit with the message "removing third.txt"  
`git commit -m "removing third.txt"`

Step 14: Check out your commits using `git log`  
`git log`

Step 15: Change your global settings to `core.pager=cat`  
`git config --global core.pager "cat"`

Step 16: List all global configurations for git  
`git config --global --list`

Here is a screenshot of the work i have completed in the terminal:

```

idrisbado@IDRISSBADO:~$ mkdir learn_git
idrisbado@IDRISSBADO:~$ cd learn_git
idrisbado@IDRISSBADO:~/learn_git$ touch third.txt
idrisbado@IDRISSBADO:~/learn_git$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/idrisbado/learn_git/.git/
idrisbado@IDRISSBADO:~/learn_git$ git add third.txt
idrisbado@IDRISSBADO:~/learn_git$ git commit -m "adding third.txt"
Author identity unknown

*** Please tell me who you are.

Run

    git config --global user.email "you@example.com"
    git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: empty ident name (for <idrisbado@IDRISSBADO.>) not allowed

```

Figure 1: Screenshot of the terminal commands executed.

```

idrissbado@IDRISSBADO:~/learn_git$ git config --global user.email idrissbadoolivier@gmail.com
idrissbado@IDRISSBADO:~/learn_git$ git config -- global user.name idrissbado
error: key does not contain a section: global
idrissbado@IDRISSBADO:~/learn_git$ git config --global user.name idrissbado
idrissbado@IDRISSBADO:~/learn_git$ git commit -m "adding third.txt"
[master (root-commit) f83115e] adding third.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 third.txt
idrissbado@IDRISSBADO:~/learn_git$ git log
commit f83115eee0af7d91c7f36d6774a4abc46ef20ce5 (HEAD -> master)
Author: idrissbado <idrissbadoolivier@gmail.com>
Date:   Wed Jan 8 00:40:17 2025 +0100

    adding third.txt
idrissbado@IDRISSBADO:~/learn_git$ touch fourth.txt
idrissbado@IDRISSBADO:~/learn_git$ git add fourth.txt
idrissbado@IDRISSBADO:~/learn_git$ git commit -m "adding fourth.txt"
[master 3533640] adding fourth.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 fourth.txt
idrissbado@IDRISSBADO:~/learn_git$ rm third.txt
idrissbado@IDRISSBADO:~/learn_git$ git add .
idrissbado@IDRISSBADO:~/learn_git$ git commit -m "adding removing third.txt"
[master 49802be] adding removing third.txt
1 file changed, 0 insertions(+), 0 deletions(-)
delete mode 100644 third.txt
idrissbado@IDRISSBADO:~/learn_git$ git log
commit 49802beb7d8647e8e3c6da33f01096071384268f (HEAD -> master)
Author: idrissbado <idrissbadoolivier@gmail.com>
Date:   Wed Jan 8 00:43:04 2025 +0100

```

Figure 2: Screenshot of the terminal commands executed.

```
idrisbado@IDRISSBADO:~/learn_git$ git add .
idrisbado@IDRISSBADO:~/learn_git$ git commit -m "adding removing third.txt"
[master 49802be] adding removing third.txt
1 file changed, 0 insertions(+), 0 deletions(-)
delete mode 100644 third.txt
idrisbado@IDRISSBADO:~/learn_git$ git log
commit 49802beb7d8647e8e3c6da33f01096071384268f (HEAD -> master)
Author: idrisbado <idrisbadoolivier@gmail.com>
Date:   Wed Jan 8 00:43:04 2025 +0100

    adding removing third.txt

commit 3533640be0dfa054554c9915487cb1124ac4ede0
Author: idrisbado <idrisbadoolivier@gmail.com>
Date:   Wed Jan 8 00:41:54 2025 +0100

    adding fourth.txt

commit f83115eee0af7d91c7f36d6774a4abc46ef20ce5
Author: idrisbado <idrisbadoolivier@gmail.com>
Date:   Wed Jan 8 00:40:17 2025 +0100

    adding third.txt
idrisbado@IDRISSBADO:~/learn_git$ git config --global core.pager "cat"
idrisbado@IDRISSBADO:~/learn_git$ git config --global --list
user.email=idrisbadoolivier@gmail.com
user.name=idrisbado
core.pager=cat
idrisbado@IDRISSBADO:~/learn_git$
```

Figure 3: Screenshot of the terminal commands executed.