

## 1. Create a folder called learn\_git.

```
Last login: Mon Apr 29 13:23:08 on ttys001
wardabounab@MacBook-Pro-de-Warda ~ % mkdir learn_git
wardabounab@MacBook-Pro-de-Warda ~ %
```

## 2. Cd (change directory) into the learn\_git folder.

```
Last login: Mon Apr 29 13:23:08 on ttys001
wardabounab@MacBook-Pro-de-Warda ~ % mkdir learn_git
wardabounab@MacBook-Pro-de-Warda ~ % cd learn_git
wardabounab@MacBook-Pro-de-Warda learn_git %
```

## 3. Create a file called third.txt.

```
Last login: Mon Apr 29 13:23:08 on ttys001
wardabounab@MacBook-Pro-de-Warda ~ % mkdir learn_git
wardabounab@MacBook-Pro-de-Warda ~ % cd learn_git
wardabounab@MacBook-Pro-de-Warda learn_git % touch third.txt

wardabounab@MacBook-Pro-de-Warda learn_git %
```

## 4. Initialize an empty git repository.

```
Last login: Mon Apr 29 13:23:08 on ttys001
wardabounab@MacBook-Pro-de-Warda ~ % mkdir learn_git
wardabounab@MacBook-Pro-de-Warda ~ % cd learn_git
wardabounab@MacBook-Pro-de-Warda learn_git % touch third.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git init
Initialized empty Git repository in /Users/wardabounab/learn_git/.git/
wardabounab@MacBook-Pro-de-Warda learn_git %
```

## 5. Add third.txt to the staging area.

```
Last login: Mon Apr 29 13:23:08 on ttys001
wardabounab@MacBook-Pro-de-Warda ~ % mkdir learn_git
wardabounab@MacBook-Pro-de-Warda ~ % cd learn_git
wardabounab@MacBook-Pro-de-Warda learn_git % touch third.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git init
Initialized empty Git repository in /Users/wardabounab/learn_git/.git/
wardabounab@MacBook-Pro-de-Warda learn_git % git add third.txt
wardabounab@MacBook-Pro-de-Warda learn_git %
```

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

```
Last login: Mon Apr 29 13:23:08 on ttys001
wardabounab@MacBook-Pro-de-Warda ~ % mkdir learn_git
wardabounab@MacBook-Pro-de-Warda ~ % cd learn_git
wardabounab@MacBook-Pro-de-Warda learn_git % touch third.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git init
Initialized empty Git repository in /Users/wardabounab/learn_git/.git/
wardabounab@MacBook-Pro-de-Warda learn_git % git add third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding third.txt"
[main (root-commit) 47b9fa6] adding third.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 third.txt
wardabounab@MacBook-Pro-de-Warda learn_git %
```

## 7. Check out your commit with git log.

```
Last login: Mon Apr 29 13:23:08 on ttys001
wardabounab@MacBook-Pro-de-Warda ~ % mkdir learn_git
wardabounab@MacBook-Pro-de-Warda ~ % cd learn_git
wardabounab@MacBook-Pro-de-Warda learn_git % touch third.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git init
Initialized empty Git repository in /Users/wardabounab/learn_git/.git/
wardabounab@MacBook-Pro-de-Warda learn_git % git add third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding third.txt"
[main (root-commit) 47b9fa6] adding third.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git log
$commit 47b9fa640aa9932469959bdf8978113328b12328 (HEAD -> main)
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:36:23 2024 +0100

    adding third.txt
wardabounab@MacBook-Pro-de-Warda learn_git %
```

## 8. Create another file called fourth.txt.

```
Last login: Mon Apr 29 13:23:08 on ttys001
wardabounab@MacBook-Pro-de-Warda ~ % mkdir learn_git
wardabounab@MacBook-Pro-de-Warda ~ % cd learn_git
wardabounab@MacBook-Pro-de-Warda learn_git % touch third.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git init
Initialized empty Git repository in /Users/wardabounab/learn_git/.git/
wardabounab@MacBook-Pro-de-Warda learn_git % git add third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding third.txt"
[main (root-commit) 47b9fa6] adding third.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git log
$commit 47b9fa640aa9932469959bdf8978113328b12328 (HEAD -> main)
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:36:23 2024 +0100

  adding third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % touch fourth.txt

wardabounab@MacBook-Pro-de-Warda learn_git %
```

## 9. Add fourth.txt to the staging area.

```
Last login: Mon Apr 29 13:23:08 on ttys001
wardabounab@MacBook-Pro-de-Warda ~ % mkdir learn_git
wardabounab@MacBook-Pro-de-Warda ~ % cd learn_git
wardabounab@MacBook-Pro-de-Warda learn_git % touch third.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git init
Initialized empty Git repository in /Users/wardabounab/learn_git/.git/
wardabounab@MacBook-Pro-de-Warda learn_git % git add third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding third.txt"
[main (root-commit) 47b9fa6] adding third.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git log
$commit 47b9fa640aa9932469959bdf8978113328b12328 (HEAD -> main)
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:36:23 2024 +0100

  adding third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % touch fourth.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git add fourth.txt
wardabounab@MacBook-Pro-de-Warda learn_git %
```

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

```
Last login: Mon Apr 29 13:23:08 on ttys001
wardabounab@MacBook-Pro-de-Warda ~ % mkdir learn_git
wardabounab@MacBook-Pro-de-Warda ~ % cd learn_git
wardabounab@MacBook-Pro-de-Warda learn_git % touch third.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git init
Initialized empty Git repository in /Users/wardabounab/learn_git/.git/
wardabounab@MacBook-Pro-de-Warda learn_git % git add third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding third.txt"
[main (root-commit) 47b9fa6] adding third.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git log
$commit 47b9fa640aa9932469959bdf8978113328b12328 (HEAD -> main)
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:36:23 2024 +0100

      adding third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % touch fourth.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git add fourth.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding fourth.txt"
[main 6dd4a13] adding fourth.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 fourth.txt
wardabounab@MacBook-Pro-de-Warda learn_git %
```

## 11. Remove the third.txt file.

```
Last login: Mon Apr 29 13:23:08 on ttys001
wardabounab@MacBook-Pro-de-Warda ~ % mkdir learn_git
wardabounab@MacBook-Pro-de-Warda ~ % cd learn_git
wardabounab@MacBook-Pro-de-Warda learn_git % touch third.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git init
Initialized empty Git repository in /Users/wardabounab/learn_git/.git/
wardabounab@MacBook-Pro-de-Warda learn_git % git add third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding third.txt"
[main (root-commit) 47b9fa6] adding third.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git log
$commit 47b9fa640aa9932469959bdf8978113328b12328 (HEAD -> main)
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:36:23 2024 +0100

      adding third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % touch fourth.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git add fourth.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding fourth.txt"
[main 6dd4a13] adding fourth.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 fourth.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git rm third.txt
rm 'third.txt'
wardabounab@MacBook-Pro-de-Warda learn_git %
```

## 12. Add this change to the staging area. (Using the command "git add .")

```
Last login: Mon Apr 29 13:23:08 on ttys001
wardabounab@MacBook-Pro-de-Warda ~ % mkdir learn_git
wardabounab@MacBook-Pro-de-Warda ~ % cd learn_git
wardabounab@MacBook-Pro-de-Warda learn_git % touch third.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git init
Initialized empty Git repository in /Users/wardabounab/learn_git/.git/
wardabounab@MacBook-Pro-de-Warda learn_git % git add third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding third.txt"
[main (root-commit) 47b9fa61 adding third.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git log
$commit 47b9fa640aa9932469959bdf8978113328b12328 (HEAD -> main)
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:36:23 2024 +0100

      adding third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % touch fourth.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git add fourth.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding fourth.txt"
[main 6dd4a13] adding fourth.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 fourth.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git rm third.txt
rm 'third.txt'
wardabounab@MacBook-Pro-de-Warda learn_git % git add .
wardabounab@MacBook-Pro-de-Warda learn_git %
```

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

```
Last login: Mon Apr 29 13:23:08 on ttys001
wardabounab@MacBook-Pro-de-Warda ~ % mkdir learn_git
wardabounab@MacBook-Pro-de-Warda ~ % cd learn_git
wardabounab@MacBook-Pro-de-Warda learn_git % touch third.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git init
Initialized empty Git repository in /Users/wardabounab/learn_git/.git/
wardabounab@MacBook-Pro-de-Warda learn_git % git add third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding third.txt"
[main (root-commit) 47b9fa61 adding third.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git log
$commit 47b9fa640aa9932469959bdf8978113328b12328 (HEAD -> main)
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:36:23 2024 +0100

      adding third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % touch fourth.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git add fourth.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding fourth.txt"
[main 6dd4a13] adding fourth.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 fourth.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git rm third.txt
rm 'third.txt'
wardabounab@MacBook-Pro-de-Warda learn_git % git add .
wardabounab@MacBook-Pro-de-Warda learn_git % git commit "removing third.txt"
error: pathspec 'removing third.txt' did not match any file(s) known to git
wardabounab@MacBook-Pro-de-Warda learn_git %
```

## 14. Check out your commits using git log.

```
Initialized empty Git repository in /Users/wardabounab/learn_git/.git/
wardabounab@MacBook-Pro-de-Warda learn_git % git add third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding third.txt"
[main (root-commit) 47b9fa6] adding third.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git log
$commit 47b9fa640aa9932469959bdf8978113328b12328 (HEAD -> main)
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:36:23 2024 +0100

    adding third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % touch fourth.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git add fourth.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding fourth.txt"
[main 6dd4a13] adding fourth.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 fourth.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git rm third.txt
rm 'third.txt'
wardabounab@MacBook-Pro-de-Warda learn_git % git add .
wardabounab@MacBook-Pro-de-Warda learn_git % git commit "removing third.txt"
error: pathspec 'removing third.txt' did not match any file(s) known to git
wardabounab@MacBook-Pro-de-Warda learn_git % git log
$commit 6dd4a13940c0eaf95559442034ddbda2a652abeb (HEAD -> main)
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:41:02 2024 +0100

    adding fourth.txt

commit 47b9fa640aa9932469959bdf8978113328b12328
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:36:23 2024 +0100

    adding third.txt
wardabounab@MacBook-Pro-de-Warda learn_git %
```

## 15. Change your global settings to core.pager=cat - you can read more about that [here](#)

```
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding third.txt"
[main (root-commit) 47b9fa6] adding third.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git log
$commit 47b9fa640aa9932469959bdf8978113328b12328 (HEAD -> main)
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:36:23 2024 +0100

    adding third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % touch fourth.txt

wardabounab@MacBook-Pro-de-Warda learn_git % git add fourth.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git commit -m "adding fourth.txt"
[main 6dd4a13] adding fourth.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 fourth.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git rm third.txt
rm 'third.txt'
wardabounab@MacBook-Pro-de-Warda learn_git % git add .
wardabounab@MacBook-Pro-de-Warda learn_git % git commit "removing third.txt"
error: pathspec 'removing third.txt' did not match any file(s) known to git
wardabounab@MacBook-Pro-de-Warda learn_git % git log
$commit 6dd4a13940c0eaf95559442034ddbda2a652abeb (HEAD -> main)
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:41:02 2024 +0100

    adding fourth.txt
commit 47b9fa640aa9932469959bdf8978113328b12328
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:36:23 2024 +0100

    adding third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git config --global core.pager cat
wardabounab@MacBook-Pro-de-Warda learn_git %
```

## 16. Write the appropriate command to list all the global configurations for git on your machine.

```
1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 fourth.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git rm third.txt
rm 'third.txt'
wardabounab@MacBook-Pro-de-Warda learn_git % git add .
wardabounab@MacBook-Pro-de-Warda learn_git % git commit "removing third.txt"
error: pathspec 'removing third.txt' did not match any file(s) known to git
wardabounab@MacBook-Pro-de-Warda learn_git % git log
$commit 6dd4a13940c0eaf95559442034ddbda2a652abeb (HEAD -> main)
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:41:02 2024 +0100

    adding fourth.txt
commit 47b9fa640aa9932469959bdf8978113328b12328
Author: warda <wardabounab4@gmail.com>
Date:   Mon Apr 29 13:36:23 2024 +0100

    adding third.txt
wardabounab@MacBook-Pro-de-Warda learn_git % git config --global core.pager cat
wardabounab@MacBook-Pro-de-Warda learn_git % git config --global --list

user.name=warda
user.email=wardabounab4@gmail.com
user.username=warda
credential.helper=store
filter.lfs.required=true
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
core.pager=cat
wardabounab@MacBook-Pro-de-Warda learn_git %
```

## 17. You can type git config --global to find out how to do this.

```
● ● ●
wardabounab@MacBook-Pro-de-Warda learn_git % git config --global
usage: git config [<options>]

Config file location
  --global      use global config file
  --system      use system config file
  --local       use repository config file
  --worktree    use per-worktree config file
  -f, --file <file> use given config file
  --blob <blob-id> read config from given blob object

Action
  --get         get value: name [value-pattern]
  --get-all     get all values: key [value-pattern]
  --get-regexp   get values for regexp: name=regex [value-pattern]
  --get-urlmatch
  --replace-all replace all matching variables: name value [value-pattern]
  --add          add a new variable: name value
  --unset        remove a variable: name [value-pattern]
  --unset-all    remove all matches: name [value-pattern]
  --rename-section
  --remove-section
  -l, --list     list all
  --fixed-value  use string equality when comparing values to 'value-pattern'
  -e, --edit     open an editor
  --get-color    find the color configured: slot [default]
  --get-colorbool
  --get-expirydate

Type
  -t, --type <type>  value is given this type
  --bool            value is "true" or "false"
  --int             value is decimal number
  --bool-or-int    value is --bool or --int
  --bool-or-str    value is --bool or string
  --path            value is a path (file or directory name)
  --expiry-date    value is an expiry date
```