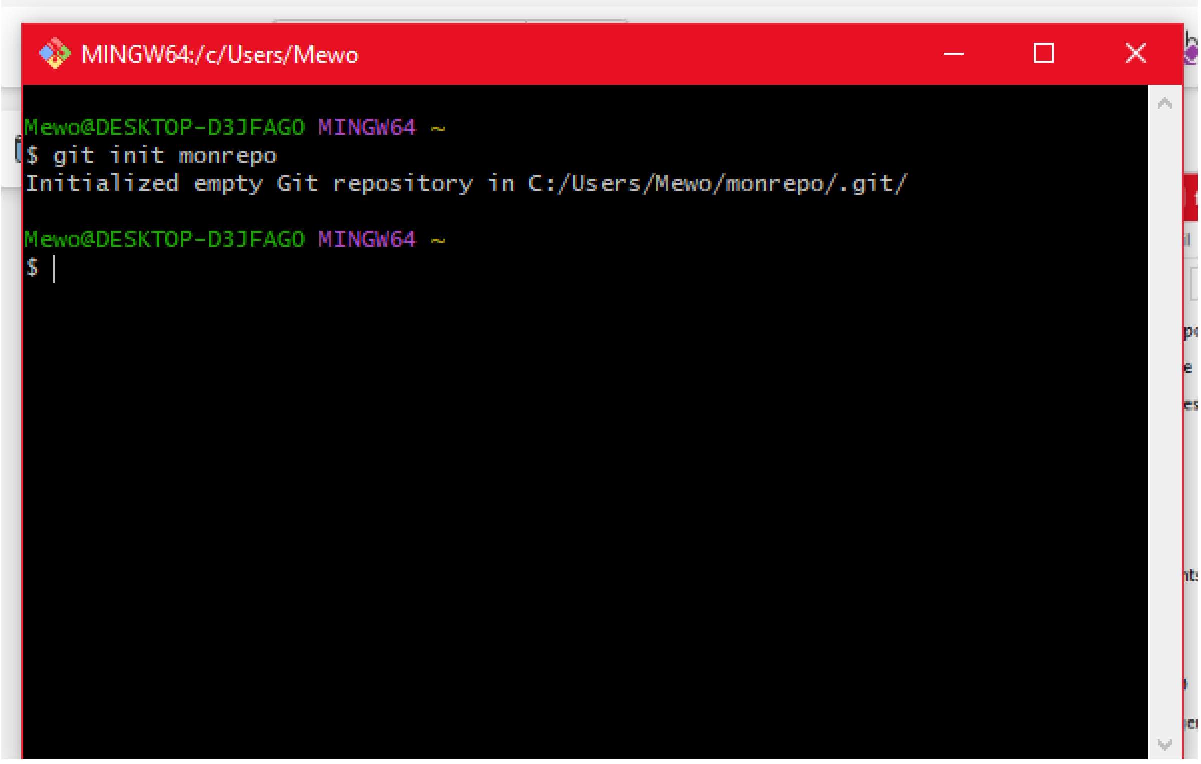
TP 4 Klein Vincent SISR 2 git

Premier pas dans GIT

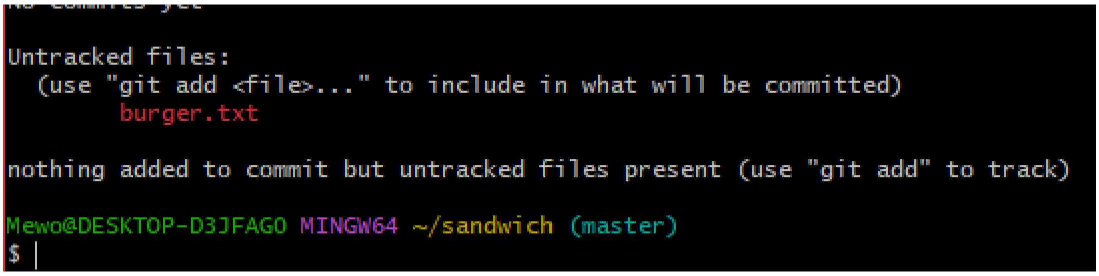
2.1 la commande git init pour initialiser un projet



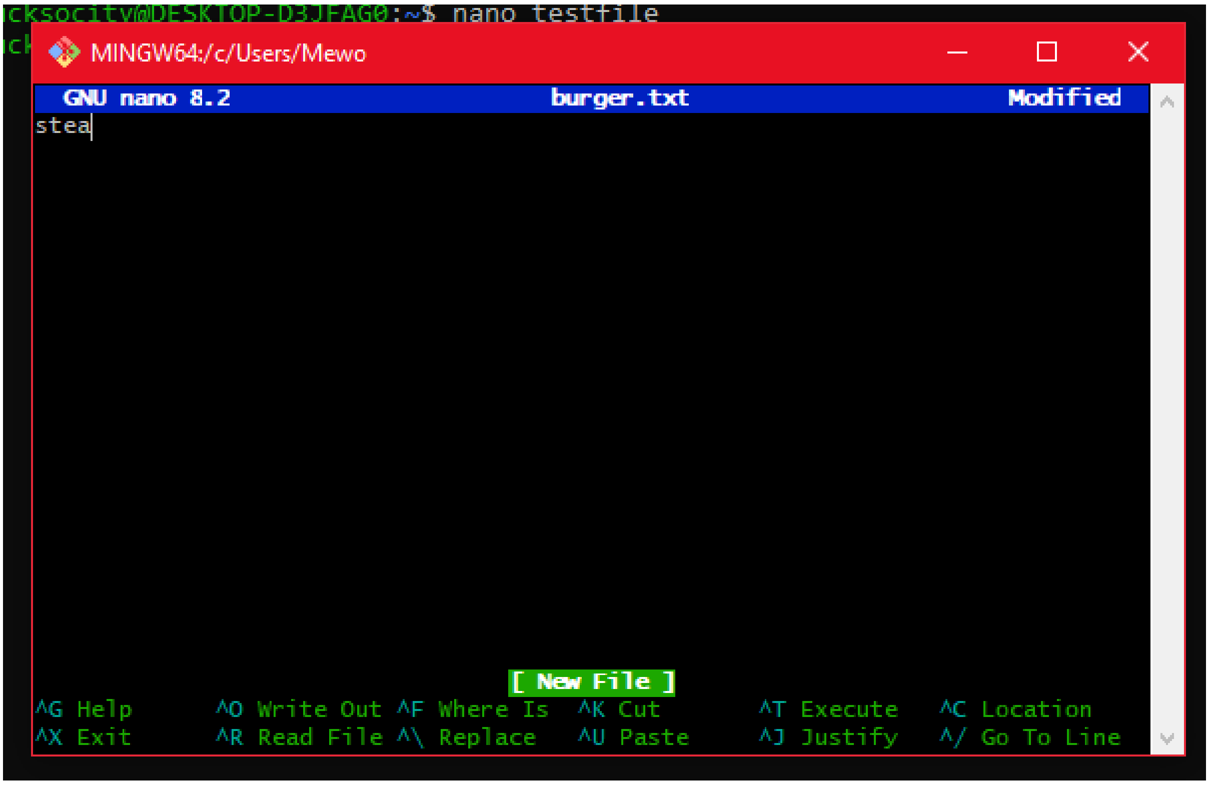
```
Mewo@DESKTOP-D3JFAGO MINGW64 ~
$ git init monrepo
Initialized empty Git repository in C:/Users/Mewo/monrepo/.git/

Mewo@DESKTOP-D3JFAGO MINGW64 ~
$ |
```

La commande nano permet de lancer un éditeur de texte dans le terminal avec mes autres cours je sais que vim est une autre façon de faire apparaître un éditeur de texte j'essaye actuellement de me familiariser avec vim

Avec la commande nano burger.txt je peux faire tranquillement mon fichier dans le terminal de commande

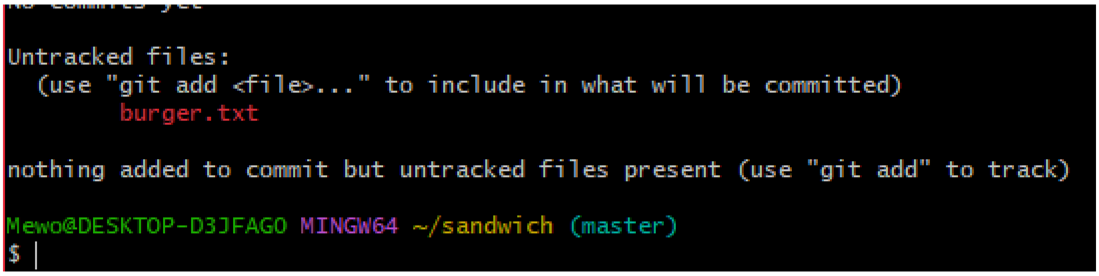


```
No commits yet

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

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

Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ |
```



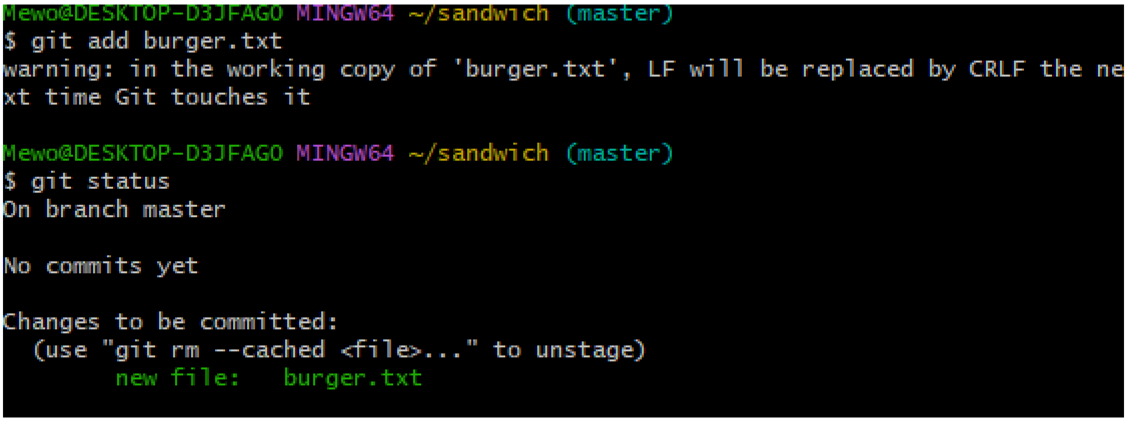
```
cksocity@DESKTOP-D3JFAG0:~$ nano testfile
ck
```

```
  GNU nano 8.2                    burger.txt                     Modified
stea|

                              [ New File ]
^G Help      ^O Write Out ^F Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^/ Go To Line
```



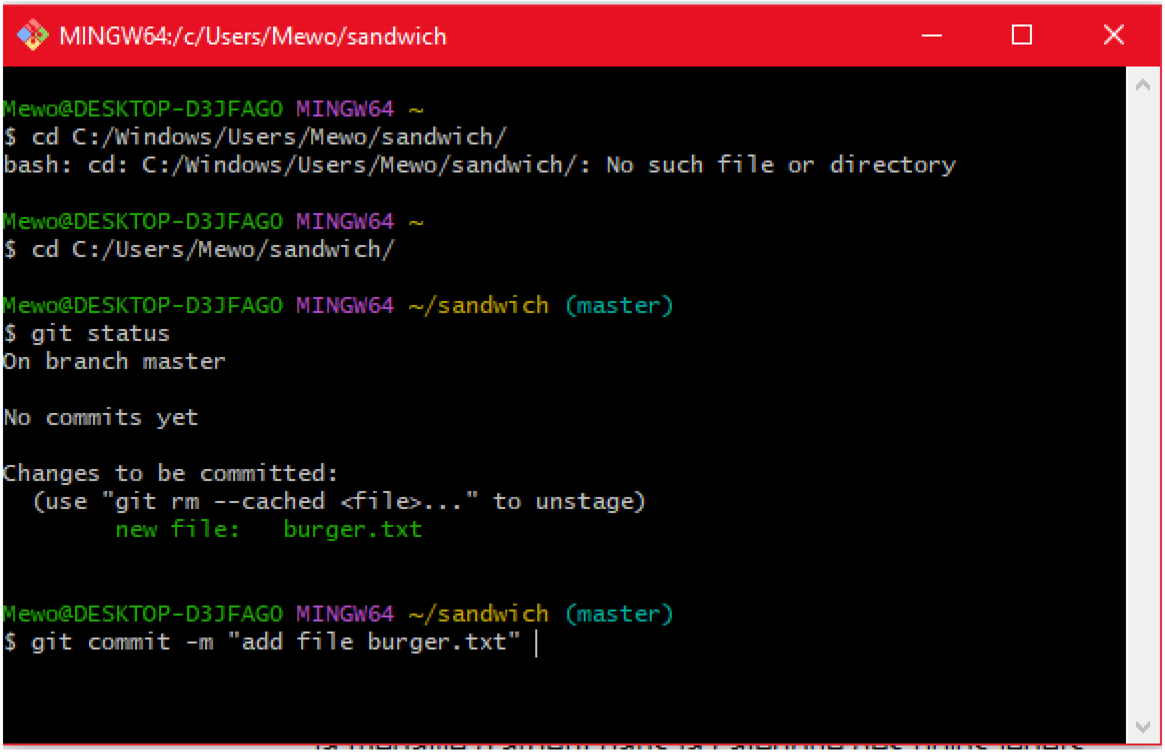
```
No commits yet

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

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

Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ |
```

Il nous reste à faire un git add



```
Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git add burger.txt
warning: in the working copy of 'burger.txt', LF will be replaced by CRLF the ne
xt time Git touches it

Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git status
On branch master

No commits yet

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

2.2Quand on fait un git commit il faut précisez ce qu’on commit

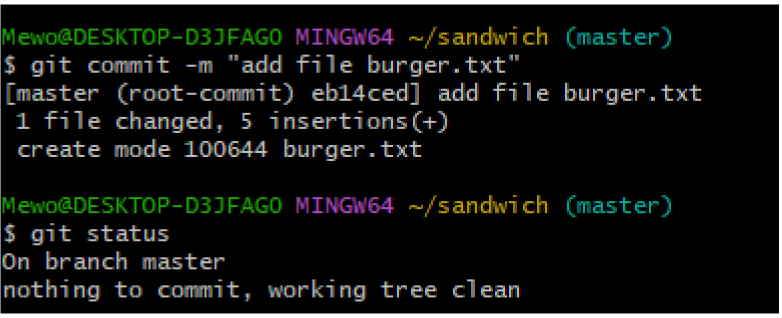


```
Mewo@DESKTOP-D3JFAGO MINGW64 ~
$ cd C:/Windows/Users/Mewo/sandwich/
bash: cd: C:/Windows/Users/Mewo/sandwich/: No such file or directory

Mewo@DESKTOP-D3JFAGO MINGW64 ~
$ cd C:/Users/Mewo/sandwich/

Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git status
On branch master

No commits yet

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


Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git commit -m "add file burger.txt" |
```

2.3La commande git status pour voir le statut du commit.

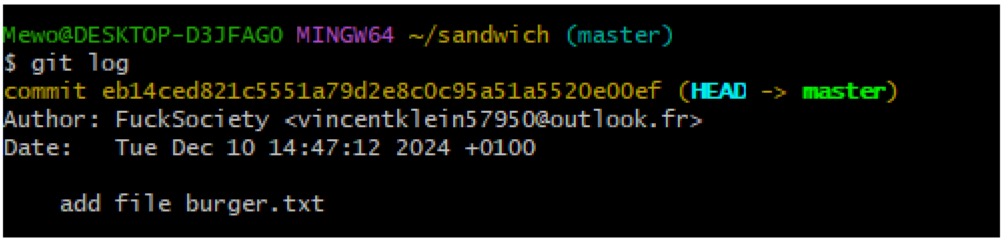
La commande git commit –m “description du commit” permet d’enregistrer le commit

2.3 et 2.4



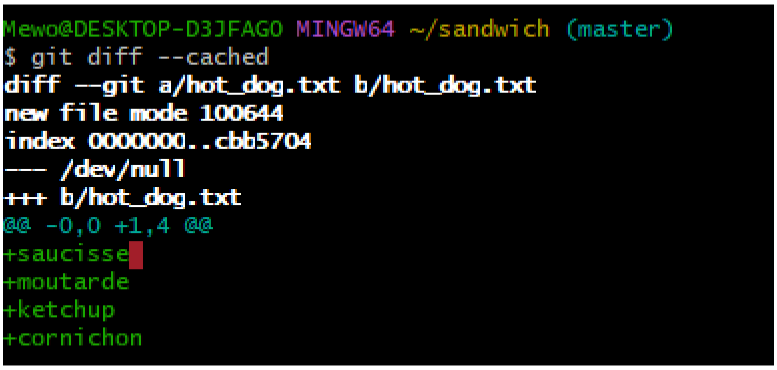
```
Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git commit -m "add file burger.txt"
[master (root-commit) eb14ced] add file burger.txt
 1 file changed, 5 insertions(+)
 create mode 100644 burger.txt

Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git status
On branch master
nothing to commit, working tree clean
```

2.6 Avec la commande git log on peut voire toutes les modifications. Il y a une modification pour l'instant de numéro eb14ced821c5551a79d2e8c0c95a51a5520e00ef

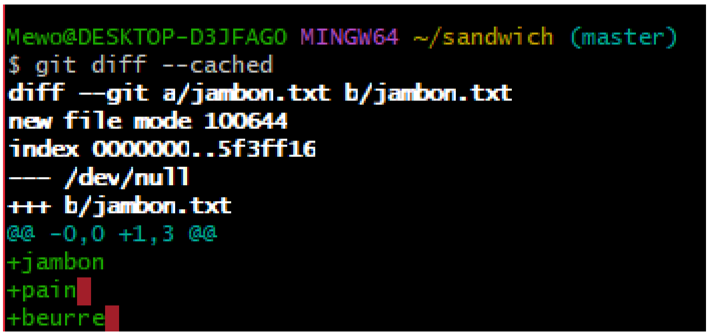


```
Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git log
commit eb14ced821c5551a79d2e8c0c95a51a5520e00ef (HEAD -> master)
Author: FuckSociety <vincentklein57950@outlook.fr>
Date:   Tue Dec 10 14:47:12 2024 +0100

    add file burger.txt
```

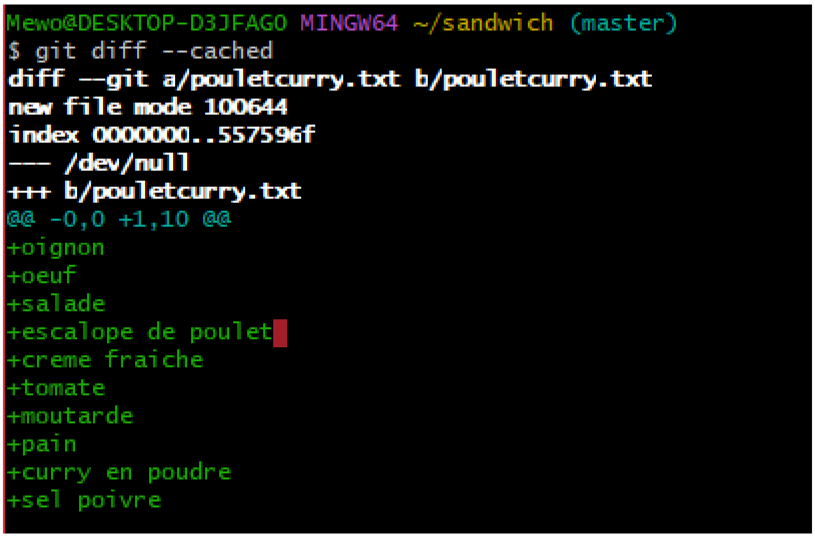
2.7Avec git –cached



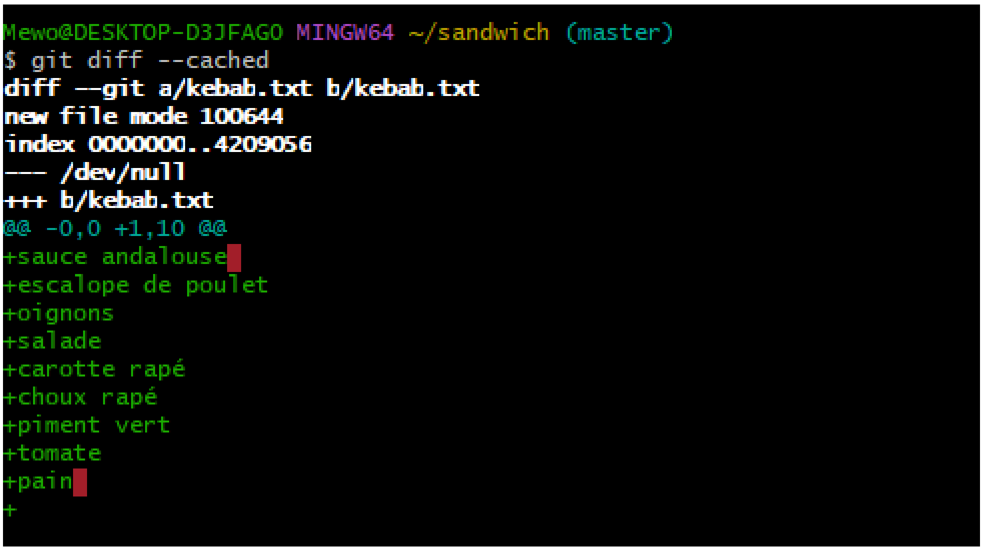
```
Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git diff --cached
diff --git a/hot_dog.txt b/hot_dog.txt
new file mode 100644
index 0000000..cbb5704
--- /dev/null
+++ b/hot_dog.txt
@@ -0,0 +1,4 @@
+saucisse
+moutarde
+ketchup
+cornichon
```



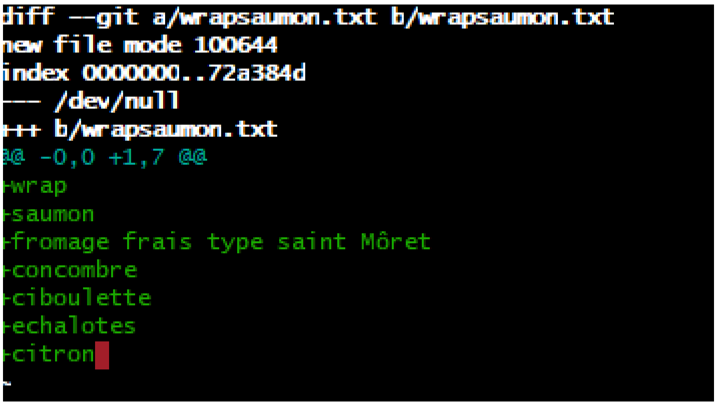
```
Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git diff --cached
diff --git a/jambon.txt b/jambon.txt
new file mode 100644
index 0000000..5f3ff16
--- /dev/null
+++ b/jambon.txt
@@ -0,0 +1,3 @@
+jambon
+pain
+beurre
```



```
Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git diff --cached
diff --git a/pouletcurry.txt b/pouletcurry.txt
new file mode 100644
index 0000000..557596f
--- /dev/null
+++ b/pouletcurry.txt
@@ -0,0 +1,10 @@
+oignon
+oeuf
+salade
+escalope de poulet
+creme fraiche
+tomate
+moutarde
+pain
+curry en poudre
+sel poivre
```

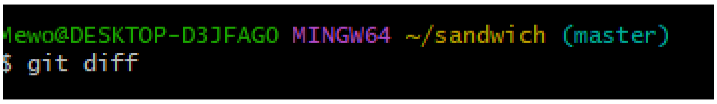


```
Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git diff --cached
diff --git a/kebab.txt b/kebab.txt
new file mode 100644
index 0000000..4209056
--- /dev/null
+++ b/kebab.txt
@@ -0,0 +1,10 @@
+sauce andalouse
+escalope de poulet
+oignons
+salade
+carotte rapé
+choux rapé
+piment vert
+tomate
+pain
+
```



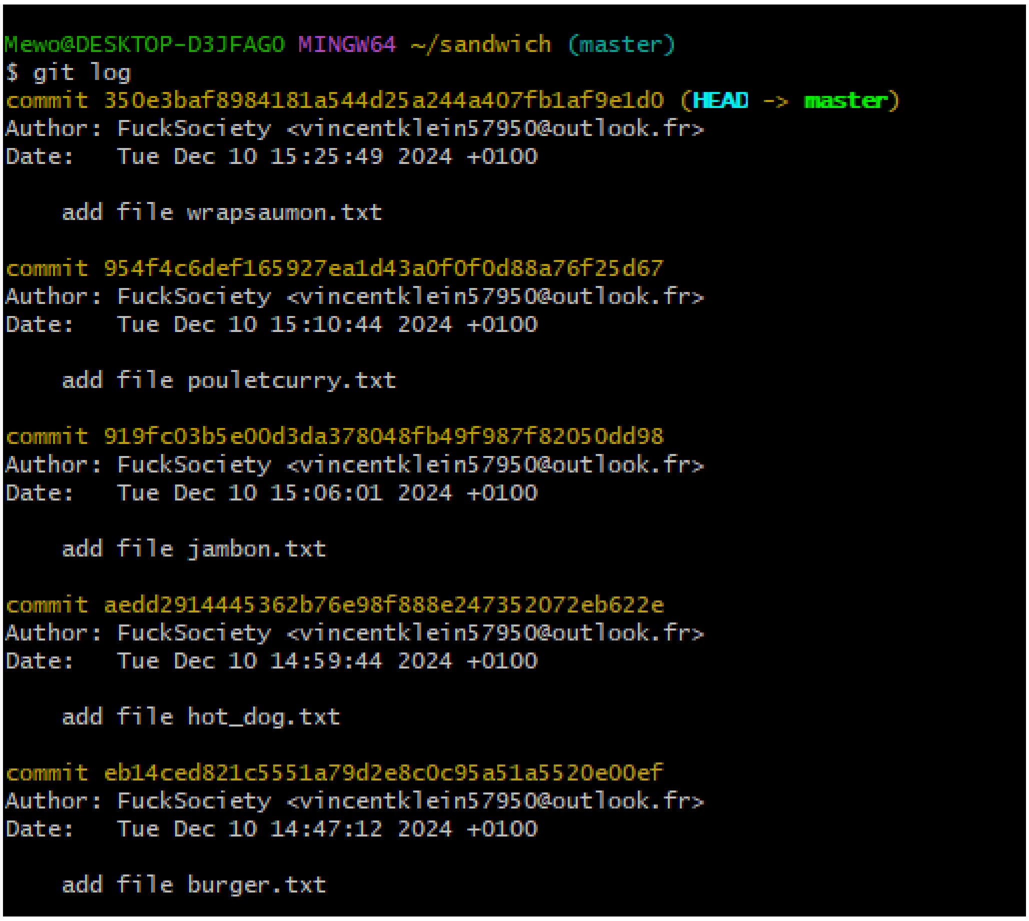
```
diff --git a/wrapsaumon.txt b/wrapsaumon.txt
new file mode 100644
index 0000000..72a384d
--- /dev/null
+++ b/wrapsaumon.txt
@@ -0,0 +1,7 @@
+wrap
+saumon
+fromage frais type saint Môret
+concombre
+ciboulette
+echalotes
+citron
```

Quand je tape git diff rien ne s’affiche j’ai alors effectué des recherches par la suite pourquoi ça ne marche pas. Git diff est une commande qui est utilisé pour afficher les différences états dans un dépôts Git. Mais alors pourquoi elle ne marche pas. À la vue de mes recherches c’est qu’il faut mettre un commit et autre commit à coté de cette commande



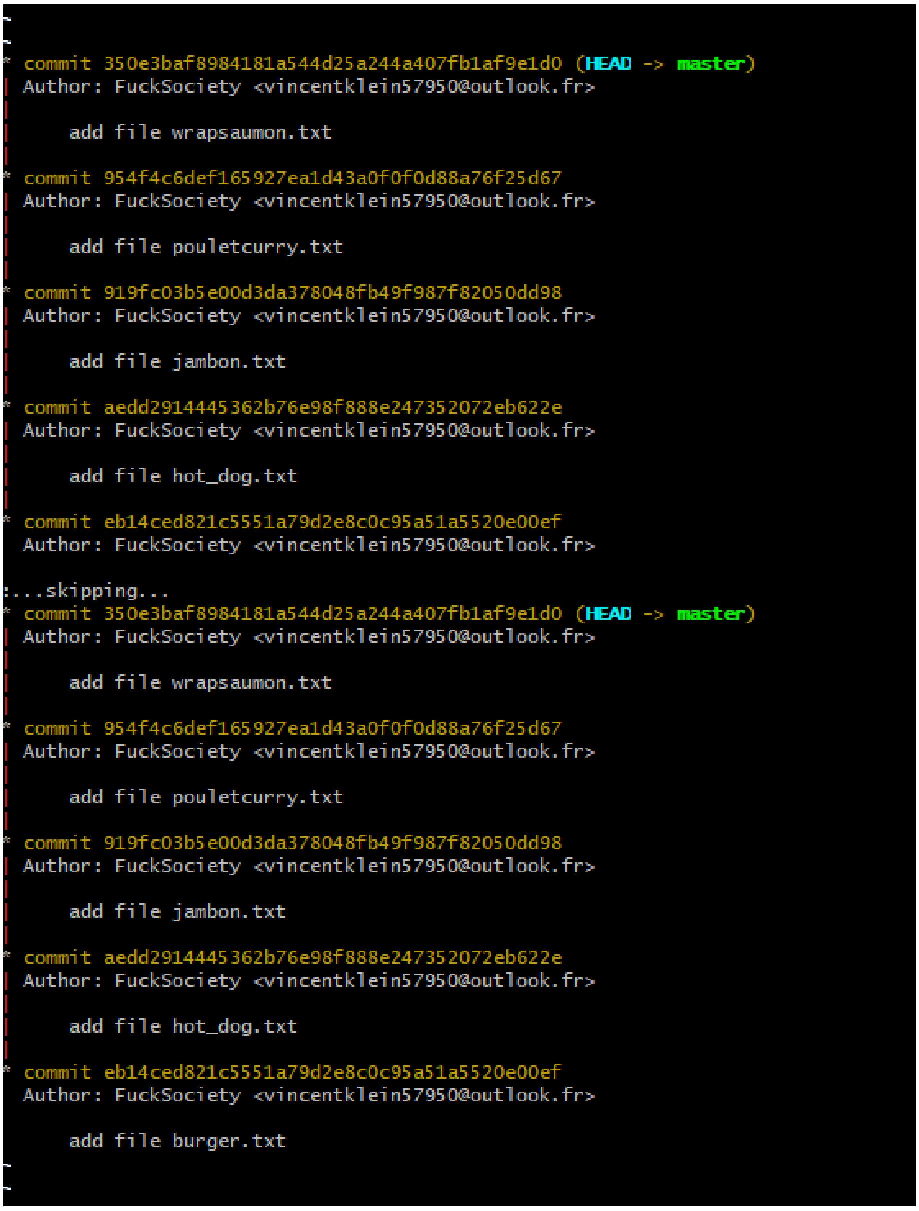
```
Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git diff
```

2.8La commande git log sert à faire apparaitre tous les commit



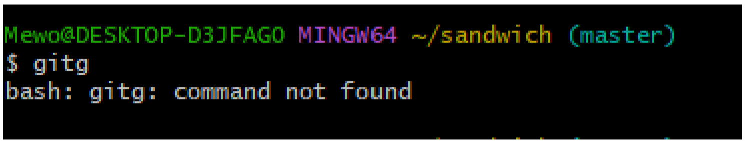
```
Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git log
commit 350e3baf8984181a544d25a244a407fb1af9e1d0 (HEAD -> master)
Author: FuckSociety <vincentklein57950@outlook.fr>
Date:   Tue Dec 10 15:25:49 2024 +0100

    add file wrapsaumon.txt

commit 954f4c6def165927ea1d43a0f0f0d88a76f25d67
Author: FuckSociety <vincentklein57950@outlook.fr>
Date:   Tue Dec 10 15:10:44 2024 +0100

    add file pouletcurry.txt

commit 919fc03b5e00d3da378048fb49f987f82050dd98
Author: FuckSociety <vincentklein57950@outlook.fr>
Date:   Tue Dec 10 15:06:01 2024 +0100

    add file jambon.txt

commit aedd2914445362b76e98f888e247352072eb622e
Author: FuckSociety <vincentklein57950@outlook.fr>
Date:   Tue Dec 10 14:59:44 2024 +0100

    add file hot_dog.txt

commit eb14ced821c5551a79d2e8c0c95a51a5520e00ef
Author: FuckSociety <vincentklein57950@outlook.fr>
Date:   Tue Dec 10 14:47:12 2024 +0100

    add file burger.txt
```

La commande git log –graph fait disparaitre la commande qu’on a tapé



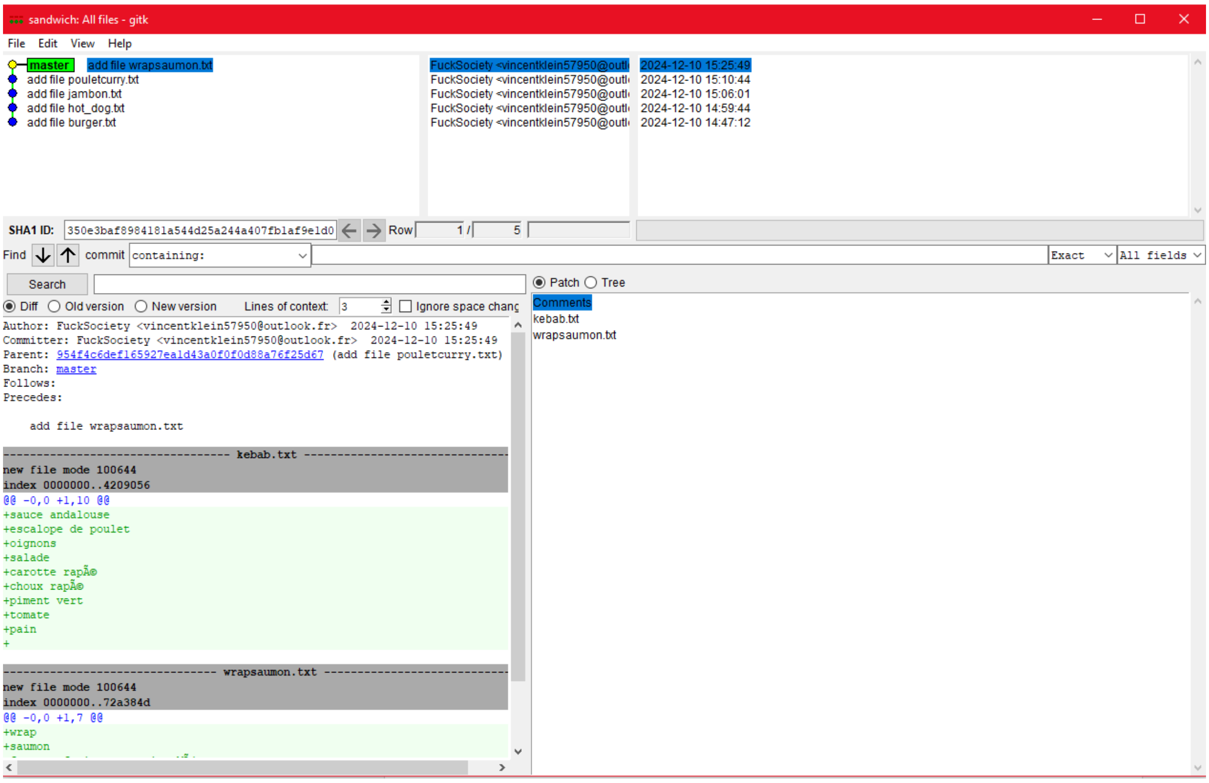
```
~
~
* commit 350e3baf8984181a544d25a244a407fb1af9e1d0 (HEAD -> master)
| Author: FuckSociety <vincentklein57950@outlook.fr>
|
|     add file wrapsaumon.txt
|
* commit 954f4c6def165927ea1d43a0f0f0d88a76f25d67
| Author: FuckSociety <vincentklein57950@outlook.fr>
|
|     add file pouletcurry.txt
|
* commit 919fc03b5e00d3da378048fb49f987f82050dd98
| Author: FuckSociety <vincentklein57950@outlook.fr>
|
|     add file jambon.txt
|
* commit aedd2914445362b76e98f888e247352072eb622e
| Author: FuckSociety <vincentklein57950@outlook.fr>
|
|     add file hot_dog.txt
|
* commit eb14ced821c5551a79d2e8c0c95a51a5520e00ef
  Author: FuckSociety <vincentklein57950@outlook.fr>

:...skipping...
* commit 350e3baf8984181a544d25a244a407fb1af9e1d0 (HEAD -> master)
| Author: FuckSociety <vincentklein57950@outlook.fr>
|
|     add file wrapsaumon.txt
|
* commit 954f4c6def165927ea1d43a0f0f0d88a76f25d67
| Author: FuckSociety <vincentklein57950@outlook.fr>
|
|     add file pouletcurry.txt
|
* commit 919fc03b5e00d3da378048fb49f987f82050dd98
| Author: FuckSociety <vincentklein57950@outlook.fr>
|
|     add file jambon.txt
|
* commit aedd2914445362b76e98f888e247352072eb622e
| Author: FuckSociety <vincentklein57950@outlook.fr>
|
|     add file hot_dog.txt
|
* commit eb14ced821c5551a79d2e8c0c95a51a5520e00ef
  Author: FuckSociety <vincentklein57950@outlook.fr>

      add file burger.txt
~
~
```

Avec la commande gitg



```
Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ gitg
bash: gitg: command not found
```

Avec gitk une fenêtre popup s'affiche qui permet de voire en interface graphique les modifications apportés

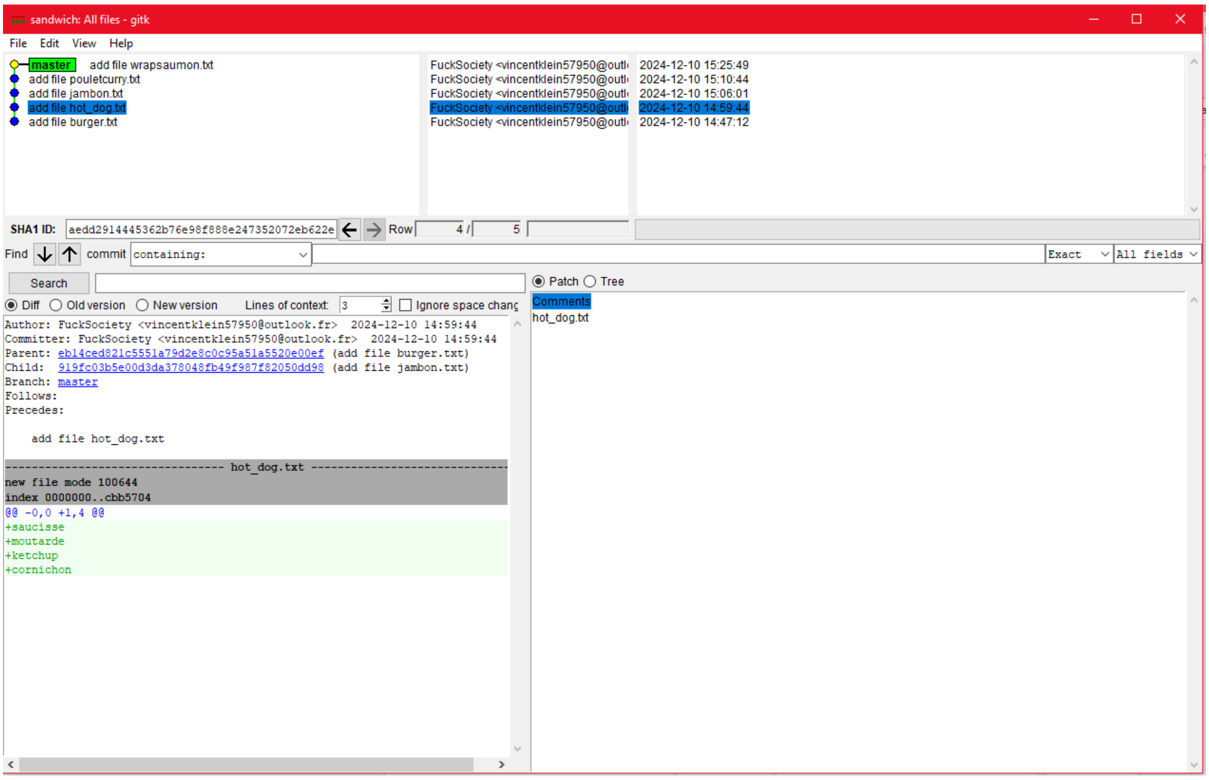


```
master  add file wrapsaumon.txt        FuckSociety <vincentklein57950@outl   2024-12-10 15:25:49
add file pouletcurry.txt               FuckSociety <vincentklein57950@outl   2024-12-10 15:10:44
add file jambon.txt                    FuckSociety <vincentklein57950@outl   2024-12-10 15:06:01
add file hot_dog.txt                   FuckSociety <vincentklein57950@outl   2024-12-10 14:59:44
add file burger.txt                    FuckSociety <vincentklein57950@outl   2024-12-10 14:47:12
```

SHA1 ID: 350e3baf8984181a544d25a244a407fb1af9e1d0 Row 1 / 5

```
Author: FuckSociety <vincentklein57950@outlook.fr>  2024-12-10 15:25:49
Committer: FuckSociety <vincentklein57950@outlook.fr>  2024-12-10 15:25:49
Parent: 954f4c6def165927ea1d43a0f0f0d88a76f25d67 (add file pouletcurry.txt)
Branch: master
Follows:
Precedes:

    add file wrapsaumon.txt

---------------------------------- kebab.txt ----------------------------------
new file mode 100644
index 0000000..4209056
@@ -0,0 +1,10 @@
+sauce andalouse
+escalope de poulet
+oignons
+salade
+carotte rapÃ©
+choux rapÃ©
+piment vert
+tomate
+pain
+

-------------------------------- wrapsaumon.txt --------------------------------
new file mode 100644
index 0000000..72a384d
@@ -0,0 +1,7 @@
+wrap
+saumon
```

kebab.txt
wrapsaumon.txt



```
master  add file wrapsaumon.txt        FuckSociety <vincentklein57950@outl   2024-12-10 15:25:49
add file pouletcurry.txt               FuckSociety <vincentklein57950@outl   2024-12-10 15:10:44
add file jambon.txt                    FuckSociety <vincentklein57950@outl   2024-12-10 15:06:01
add file hot_dog.txt                   FuckSociety <vincentklein57950@outl   2024-12-10 14:59:44
add file burger.txt                    FuckSociety <vincentklein57950@outl   2024-12-10 14:47:12
```

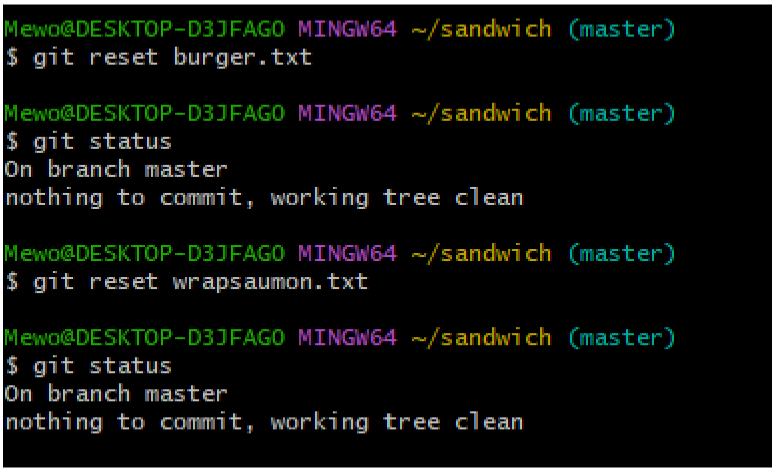
SHA1 ID: aedd2914445362b76e98f888e247352072eb622e Row 4 / 5

```
Author: FuckSociety <vincentklein57950@outlook.fr>  2024-12-10 14:59:44
Committer: FuckSociety <vincentklein57950@outlook.fr>  2024-12-10 14:59:44
Parent: eb14ced821c5551a79d2e8c0c95a51a5520e00ef (add file burger.txt)
Child:  919fc03b5e00d3da378048fb49f987f82050dd98 (add file jambon.txt)
Branch: master
Follows:
Precedes:

    add file hot_dog.txt

--------------------------------- hot_dog.txt ---------------------------------
new file mode 100644
index 0000000..cbb5704
@@ -0,0 +1,4 @@
+saucisse
+moutarde
+ketchup
+cornichon
```

hot_dog.txt

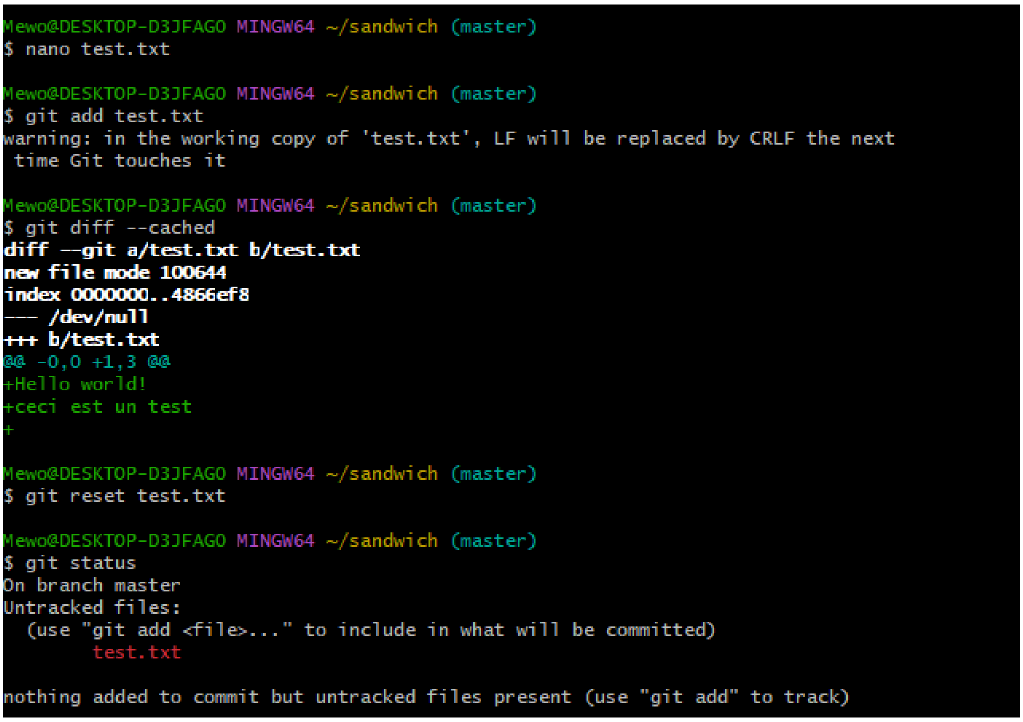
Voyage dans le temps

2.9Avec le git reset rien ne change



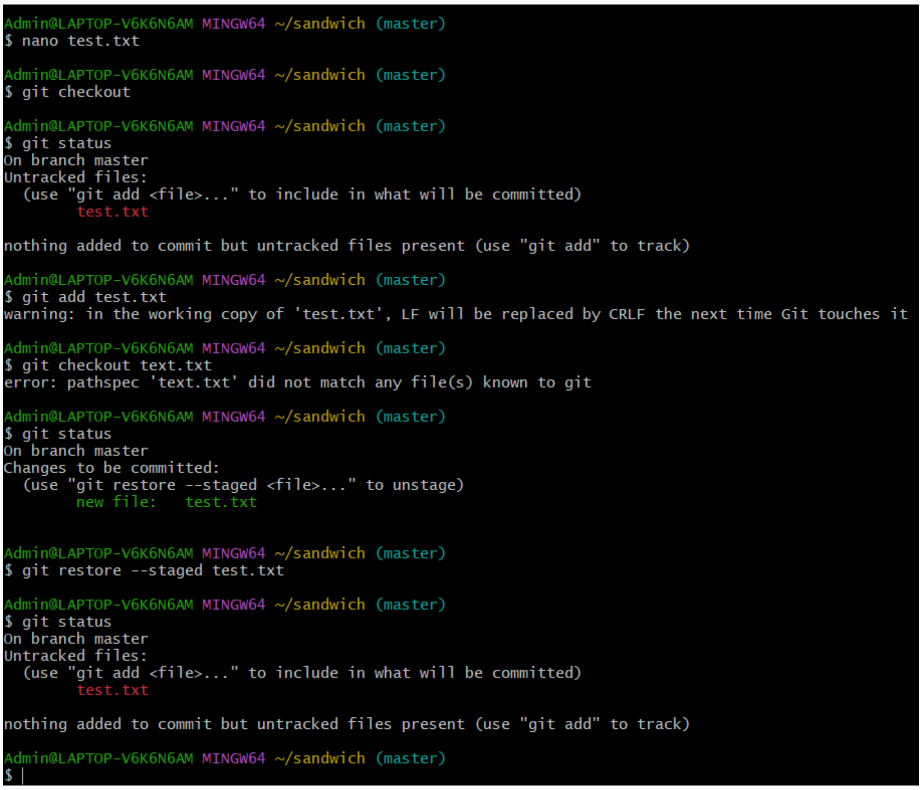
```
Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git reset burger.txt

Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git status
On branch master
nothing to commit, working tree clean

Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git reset wrapsaumon.txt

Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git status
On branch master
nothing to commit, working tree clean
```

Du coup je recrée un fichier et avant de faire un git commit je fait un git reset



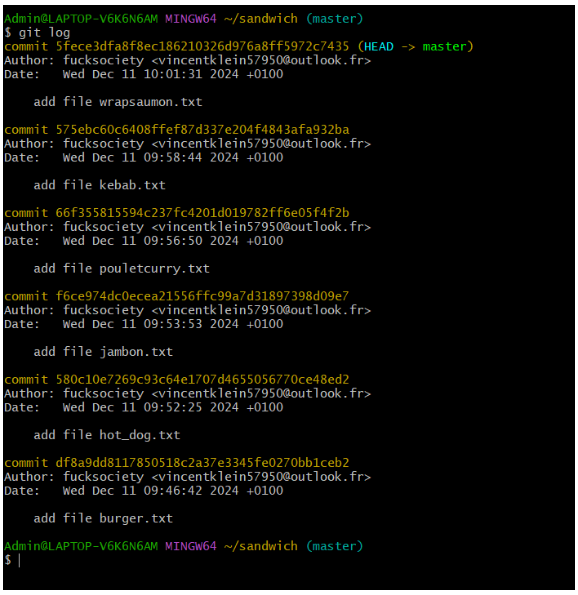
```
Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ nano test.txt

Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git add test.txt
warning: in the working copy of 'test.txt', LF will be replaced by CRLF the next
 time Git touches it

Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git diff --cached
diff --git a/test.txt b/test.txt
new file mode 100644
index 0000000..4866ef8
--- /dev/null
+++ b/test.txt
@@ -0,0 +1,3 @@
+Hello world!
+ceci est un test
+

Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git reset test.txt

Mewo@DESKTOP-D3JFAGO MINGW64 ~/sandwich (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        test.txt

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

2.10 La commande git checkout on peut récupérer l'historique du commit

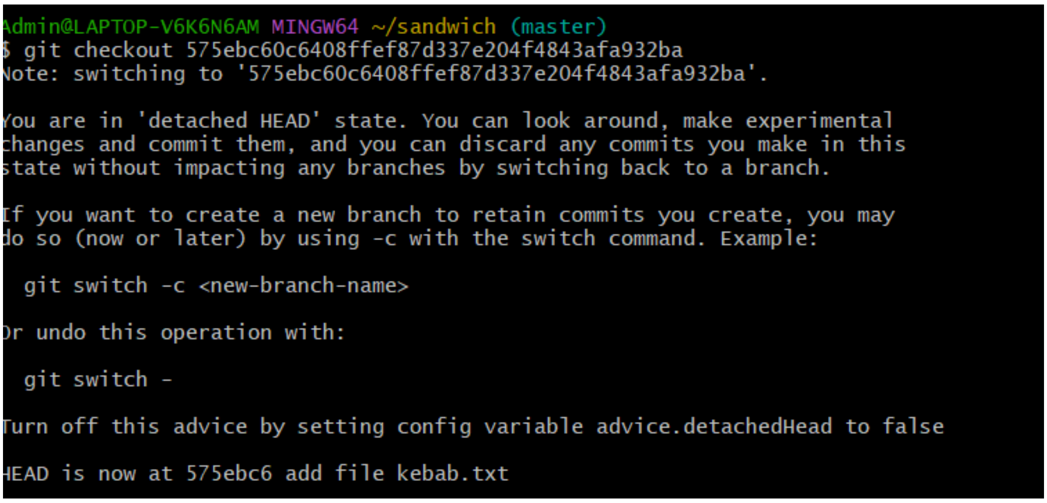


```
Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich (master)
$ nano test.txt

Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich (master)
$ git checkout

Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        test.txt

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

Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich (master)
$ git add test.txt
warning: in the working copy of 'test.txt', LF will be replaced by CRLF the next time Git touches it

Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich (master)
$ git checkout text.txt
error: pathspec 'text.txt' did not match any file(s) known to git

Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   test.txt


Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich (master)
$ git restore --staged test.txt

Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        test.txt

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

Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich (master)
$ |
```

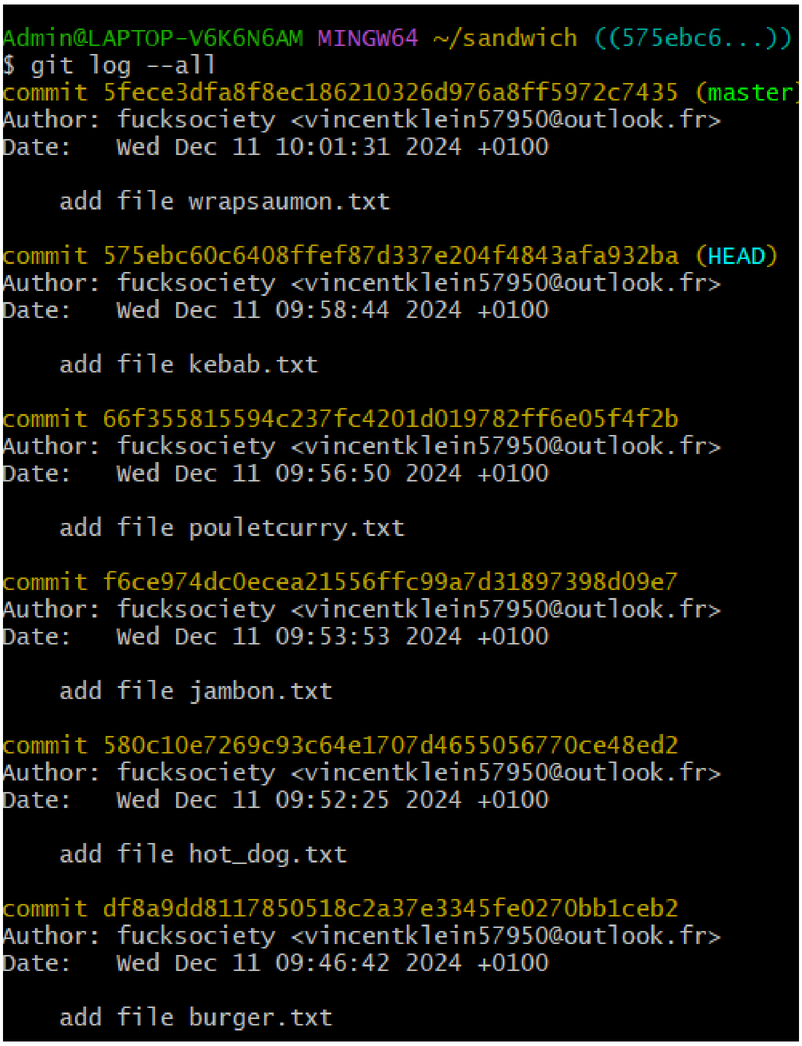
2.11



```
Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich (master)
$ git log
commit 5fece3dfa8f8ec186210326d976a8ff5972c7435 (HEAD -> master)
Author: fucksociety <vincentklein57950@outlook.fr>
Date:   Wed Dec 11 10:01:31 2024 +0100

    add file wrapsaumon.txt

commit 575ebc60c6408ffef87d337e204f4843afa932ba
Author: fucksociety <vincentklein57950@outlook.fr>
Date:   Wed Dec 11 09:58:44 2024 +0100

    add file kebab.txt

commit 66f355815594c237fc4201d019782ff6e05f4f2b
Author: fucksociety <vincentklein57950@outlook.fr>
Date:   Wed Dec 11 09:56:50 2024 +0100

    add file pouletcurry.txt

commit f6ce974dc0ecea21556ffc99a7d31897398d09e7
Author: fucksociety <vincentklein57950@outlook.fr>
Date:   Wed Dec 11 09:53:53 2024 +0100

    add file jambon.txt

commit 580c10e7269c93c64e1707d4655056770ce48ed2
Author: fucksociety <vincentklein57950@outlook.fr>
Date:   Wed Dec 11 09:52:25 2024 +0100

    add file hot_dog.txt

commit df8a9dd8117850518c2a37e3345fe0270bb1ceb2
Author: fucksociety <vincentklein57950@outlook.fr>
Date:   Wed Dec 11 09:46:42 2024 +0100

    add file burger.txt

Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich (master)
$ |
```

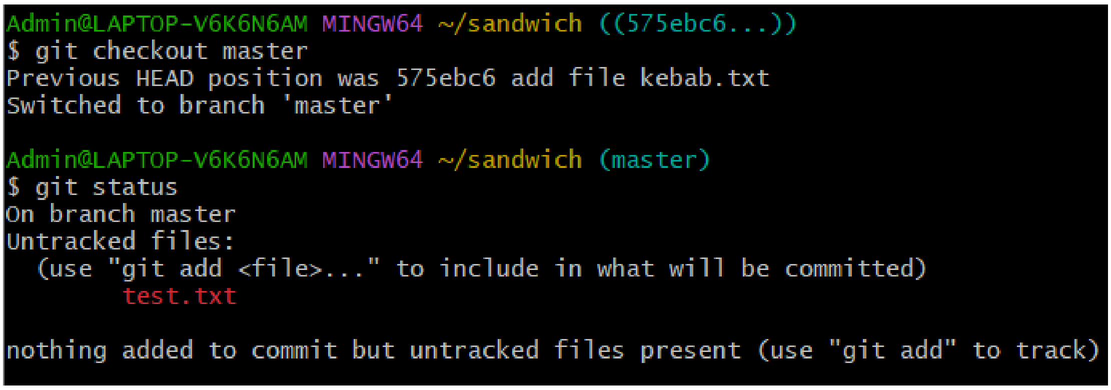


```
Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich (master)
$ git checkout 575ebc60c6408ffef87d337e204f4843afa932ba
Note: switching to '575ebc60c6408ffef87d337e204f4843afa932ba'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

  git switch -c <new-branch-name>

Or undo this operation with:

  git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at 575ebc6 add file kebab.txt
```



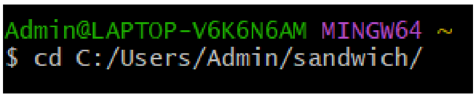
```
Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich ((575ebc6...))
$ git log --all
commit 5fece3dfa8f8ec186210326d976a8ff5972c7435 (master)
Author: fucksociety <vincentklein57950@outlook.fr>
Date:   Wed Dec 11 10:01:31 2024 +0100

    add file wrapsaumon.txt

commit 575ebc60c6408ffef87d337e204f4843afa932ba (HEAD)
Author: fucksociety <vincentklein57950@outlook.fr>
Date:   Wed Dec 11 09:58:44 2024 +0100

    add file kebab.txt

commit 66f355815594c237fc4201d019782ff6e05f4f2b
Author: fucksociety <vincentklein57950@outlook.fr>
Date:   Wed Dec 11 09:56:50 2024 +0100

    add file pouletcurry.txt

commit f6ce974dc0ecea21556ffc99a7d31897398d09e7
Author: fucksociety <vincentklein57950@outlook.fr>
Date:   Wed Dec 11 09:53:53 2024 +0100

    add file jambon.txt

commit 580c10e7269c93c64e1707d4655056770ce48ed2
Author: fucksociety <vincentklein57950@outlook.fr>
Date:   Wed Dec 11 09:52:25 2024 +0100

    add file hot_dog.txt

commit df8a9dd8117850518c2a37e3345fe0270bb1ceb2
Author: fucksociety <vincentklein57950@outlook.fr>
Date:   Wed Dec 11 09:46:42 2024 +0100

    add file burger.txt
```

2.12



```
Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich ((575ebc6...))
$ git checkout master
Previous HEAD position was 575ebc6 add file kebab.txt
Switched to branch 'master'

Admin@LAPTOP-V6K6N6AM MINGW64 ~/sandwich (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        test.txt

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

Pour récupérer ce projet sur mon ordi portable



```
Admin@LAPTOP-V6K6N6AM MINGW64 ~
$ cd C:/Users/Admin/sandwich/
```

D’après ce que j’ai vu de Git ça me parait être un moyen de scripté à plusieurs sur un terminal et dont chacun peut l’avoir et de le voir. Es ce qu’il existe une autre façon de travailler avec Github mais ce n’est pas sur le terminal le script qu’on fait est sur une page web, ce que je trouve moins beau personnellement