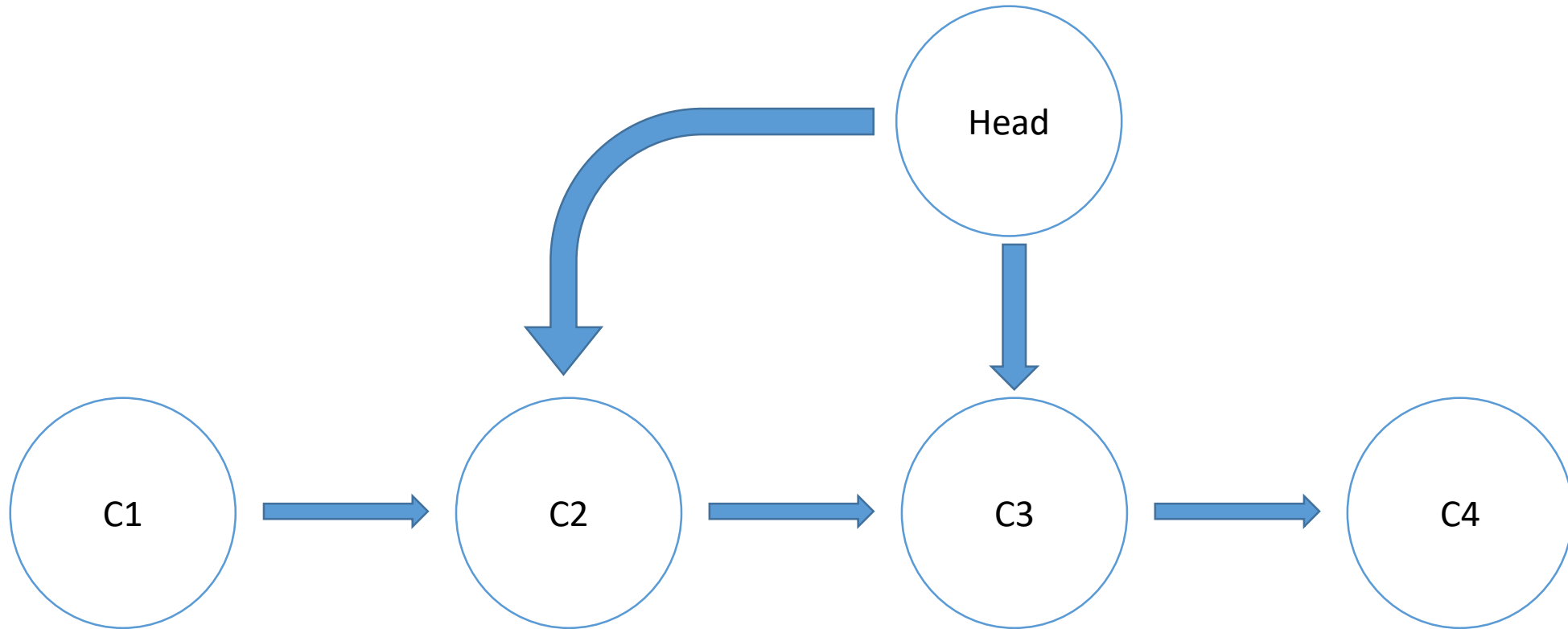


Git: Revisión de Commits

Elaborado por:

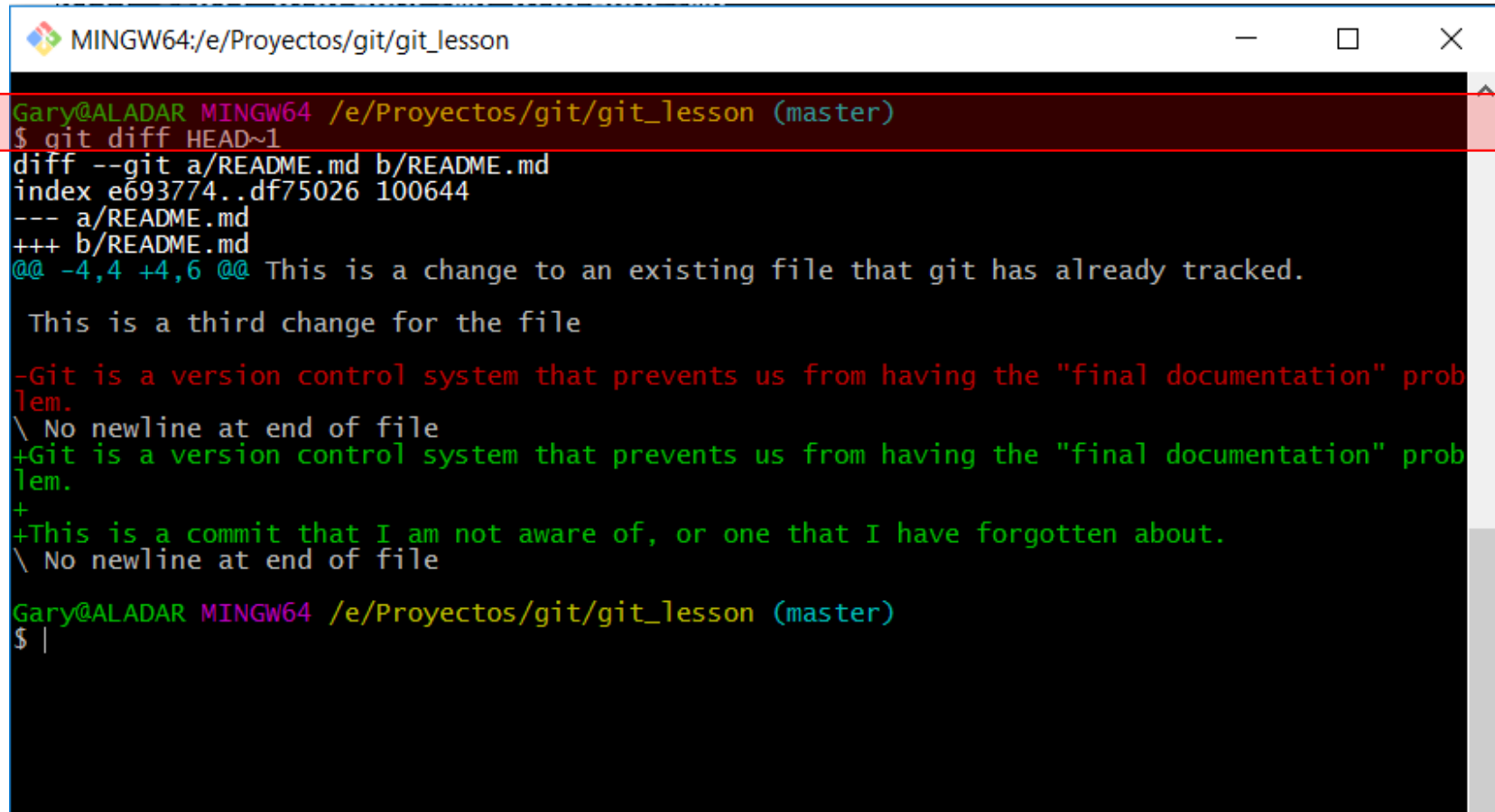
Gary Briceño – Gary.briceno@gmail.com

Revisión de los cambios:



- Utilizando el comando **Head** se puede revisar el estado actual y los **commits** realizados en el proyecto.

Visualización de cambios: `$ git diff HEAD~1`



```
MINGW64:/e/Proyectos/git/git_lesson
Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ git diff HEAD~1
diff --git a/README.md b/README.md
index e693774..df75026 100644
--- a/README.md
+++ b/README.md
@@ -4,4 +4,6 @@ This is a change to an existing file that git has already tracked.

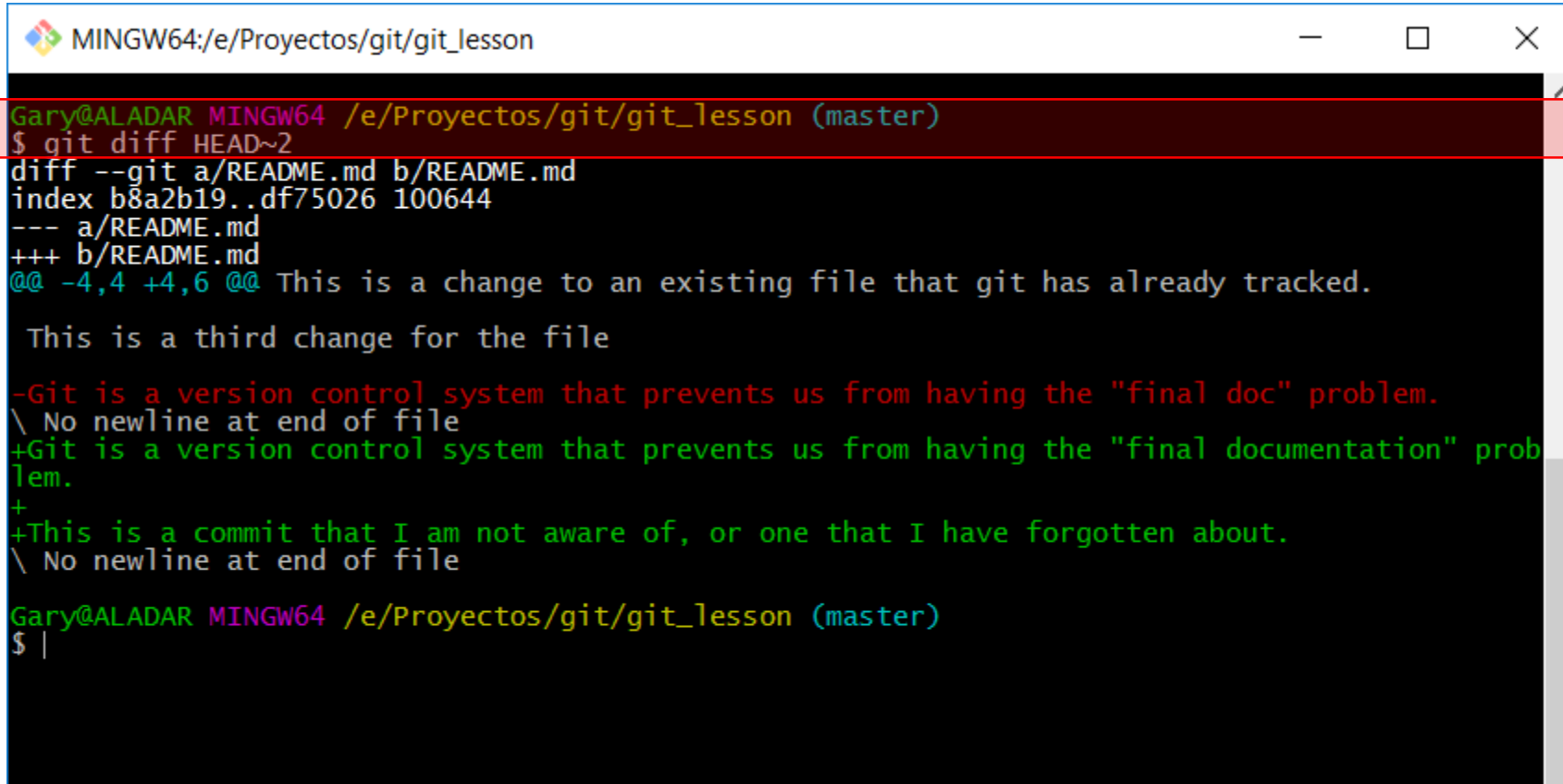
This is a third change for the file

-Git is a version control system that prevents us from having the "final documentation" prob
lem.
\ No newline at end of file
+Git is a version control system that prevents us from having the "final documentation" prob
lem.
+
+This is a commit that I am not aware of, or one that I have forgotten about.
\ No newline at end of file

Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ |
```

- Con el comando `HEAD~1` revisa un paso atrás.

Visualización de cambios: `$ git diff HEAD~2`



```
MINGW64:/e/Proyectos/git/git_lesson
Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ git diff HEAD~2
diff --git a/README.md b/README.md
index b8a2b19..df75026 100644
--- a/README.md
+++ b/README.md
@@ -4,4 +4,6 @@ This is a change to an existing file that git has already tracked.

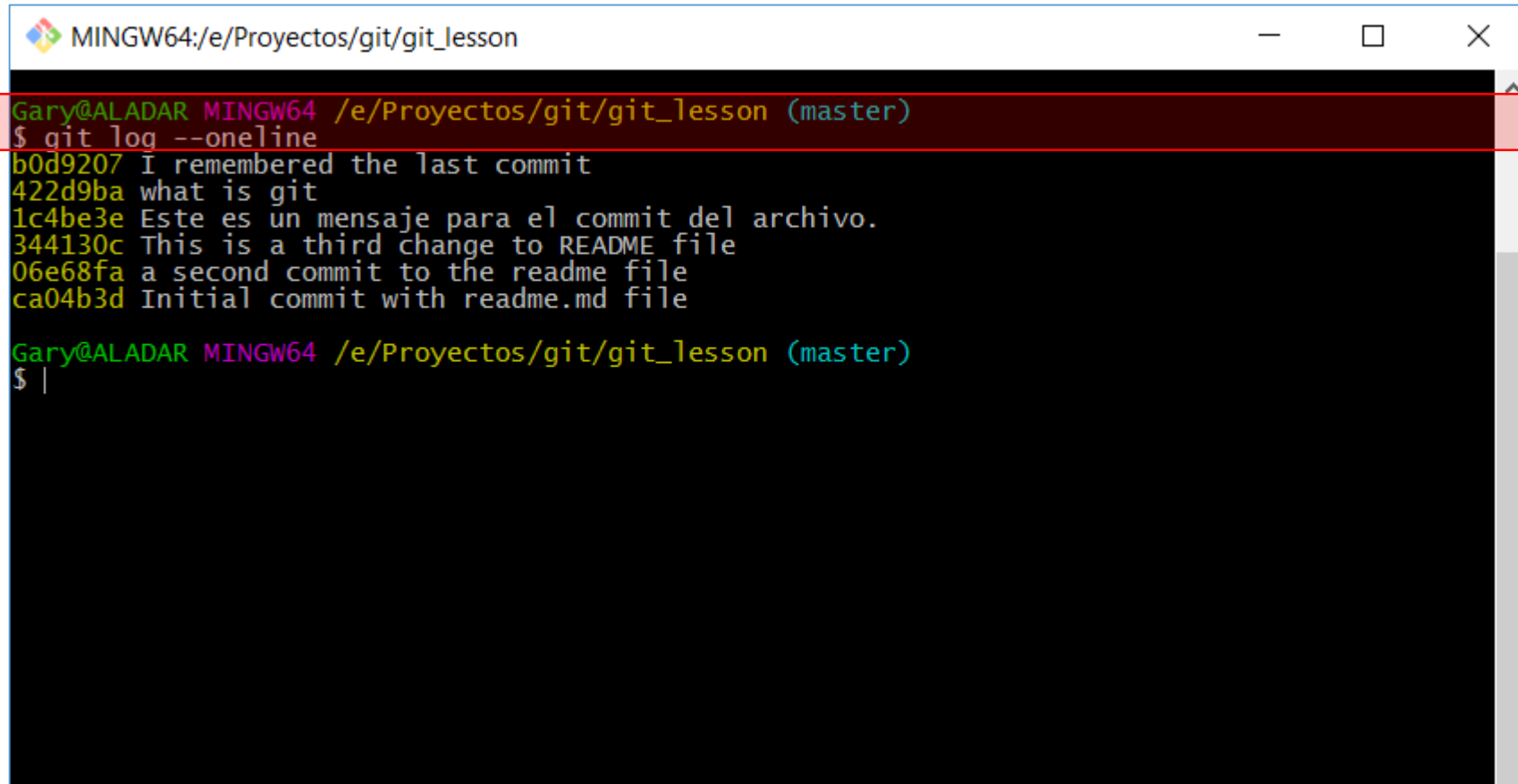
This is a third change for the file

-Git is a version control system that prevents us from having the "final doc" problem.
\ No newline at end of file
+Git is a version control system that prevents us from having the "final documentation" problem.
+
+This is a commit that I am not aware of, or one that I have forgotten about.
\ No newline at end of file

Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ |
```

- Con el comando `HEAD~2` se revisa dos paso atrás. Es decir se revisa el estado del proyecto dos commit's anteriores.

Visualización del log: `$ git log --oneline`

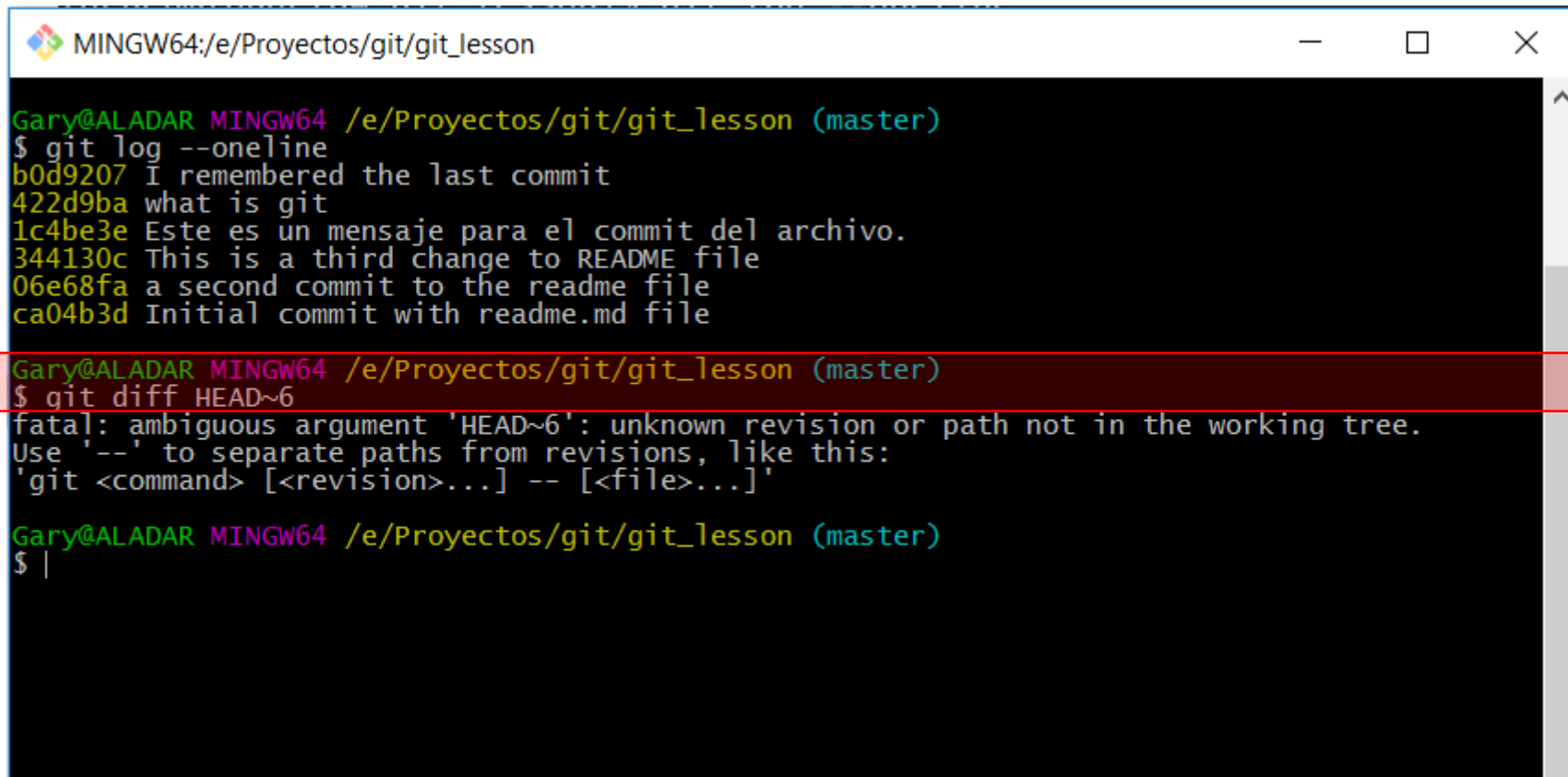


```
MINGW64:/e/Proyectos/git/git_lesson
Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ git log --oneline
b0d9207 I remembered the last commit
422d9ba what is git
1c4be3e Este es un mensaje para el commit del archivo.
344130c This is a third change to README file
06e68fa a second commit to the readme file
ca04b3d Initial commit with readme.md file

Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ |
```

- Para visualizar los cambios realizados utilizamos:
 - `$ git log --oneline`
 - Permite visualizar el histórico de commit's realizados y seleccionar el que se desea revisar.

Error en la revisión: `$ git diff HEAD~6`



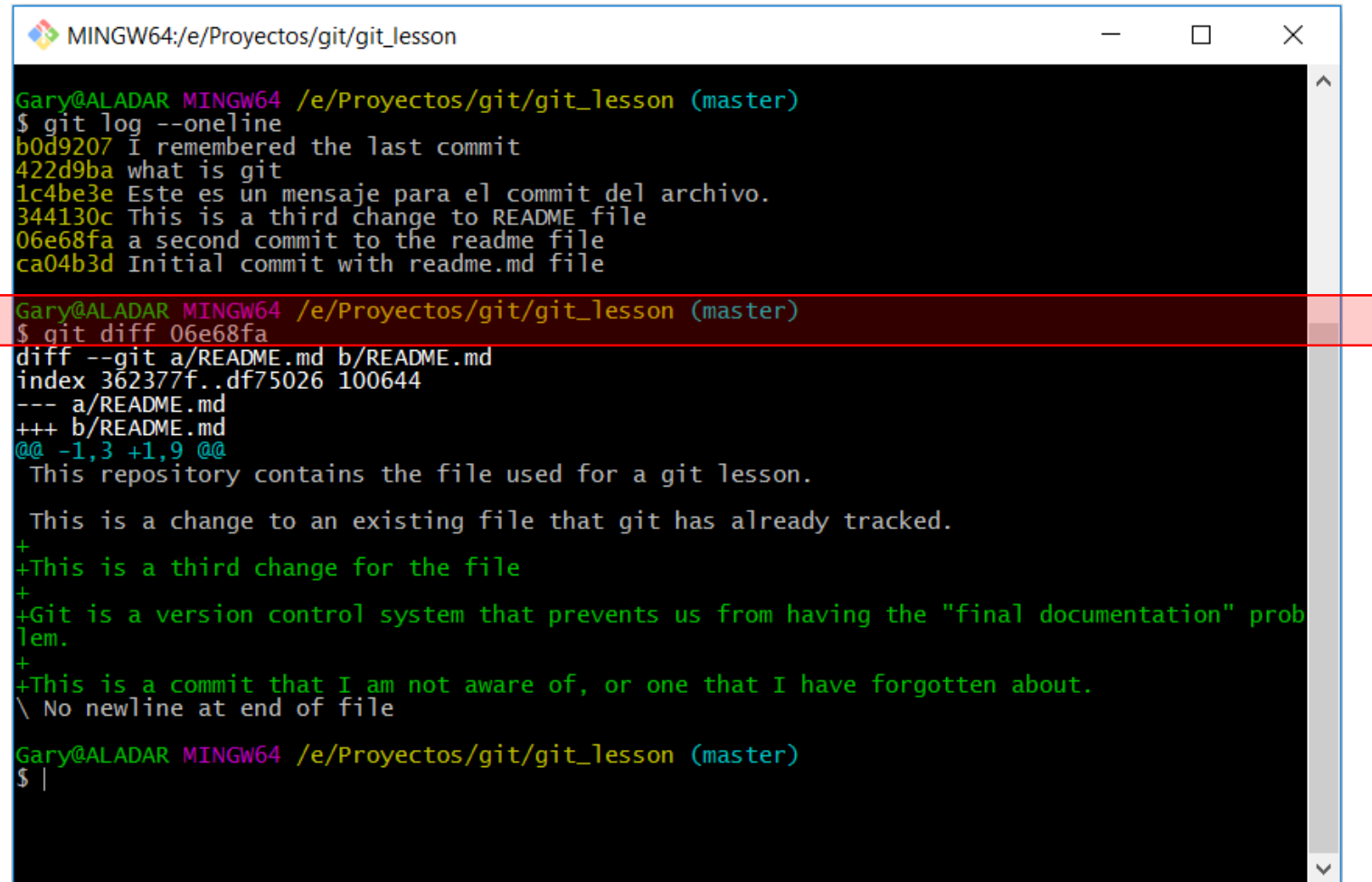
```
MINGW64:/e/Proyectos/git/git_lesson
Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ git log --oneline
b0d9207 I remembered the last commit
422d9ba what is git
1c4be3e Este es un mensaje para el commit del archivo.
344130c This is a third change to README file
06e68fa a second commit to the readme file
ca04b3d Initial commit with readme.md file

Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ git diff HEAD~6
fatal: ambiguous argument 'HEAD~6': unknown revision or path not in the working tree.
Use '--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]'

Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ |
```

- En el ejercicio, tenemos hasta la revisión 5, al intentar visualizar el movimiento 6, nos da un error.

Revisar un determinado commit: `$ git diff 06e68fa`



```
MINGW64:/e/Proyectos/git/git_lesson
Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ git log --oneline
b0d9207 I remembered the last commit
422d9ba what is git
1c4be3e Este es un mensaje para el commit del archivo.
344130c This is a third change to README file
06e68fa a second commit to the readme file
ca04b3d Initial commit with readme.md file

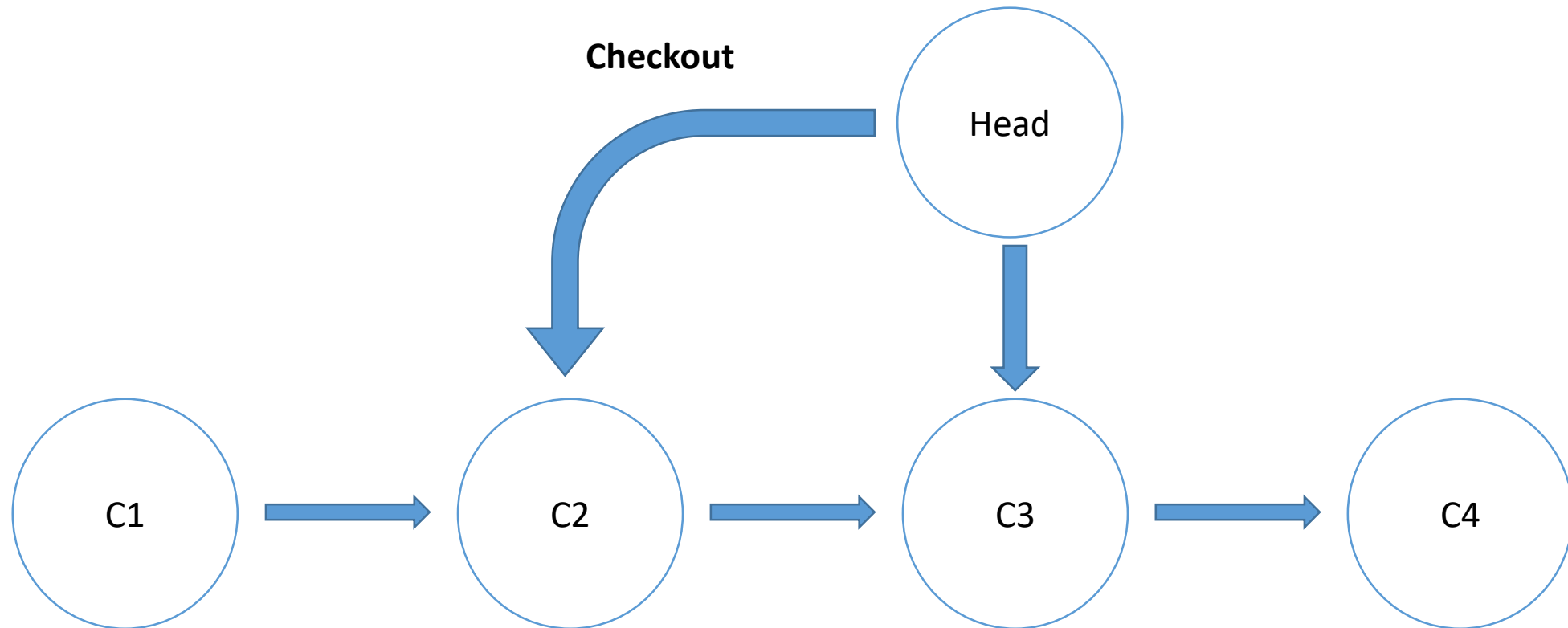
Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ git diff 06e68fa
diff --git a/README.md b/README.md
index 362377f..df75026 100644
--- a/README.md
+++ b/README.md
@@ -1,3 +1,9 @@
 This repository contains the file used for a git lesson.

 This is a change to an existing file that git has already tracked.
+
+This is a third change for the file
+
+Git is a version control system that prevents us from having the "final documentation" problem.
+
+This is a commit that I am not aware of, or one that I have forgotten about.
\ No newline at end of file

Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ |
```

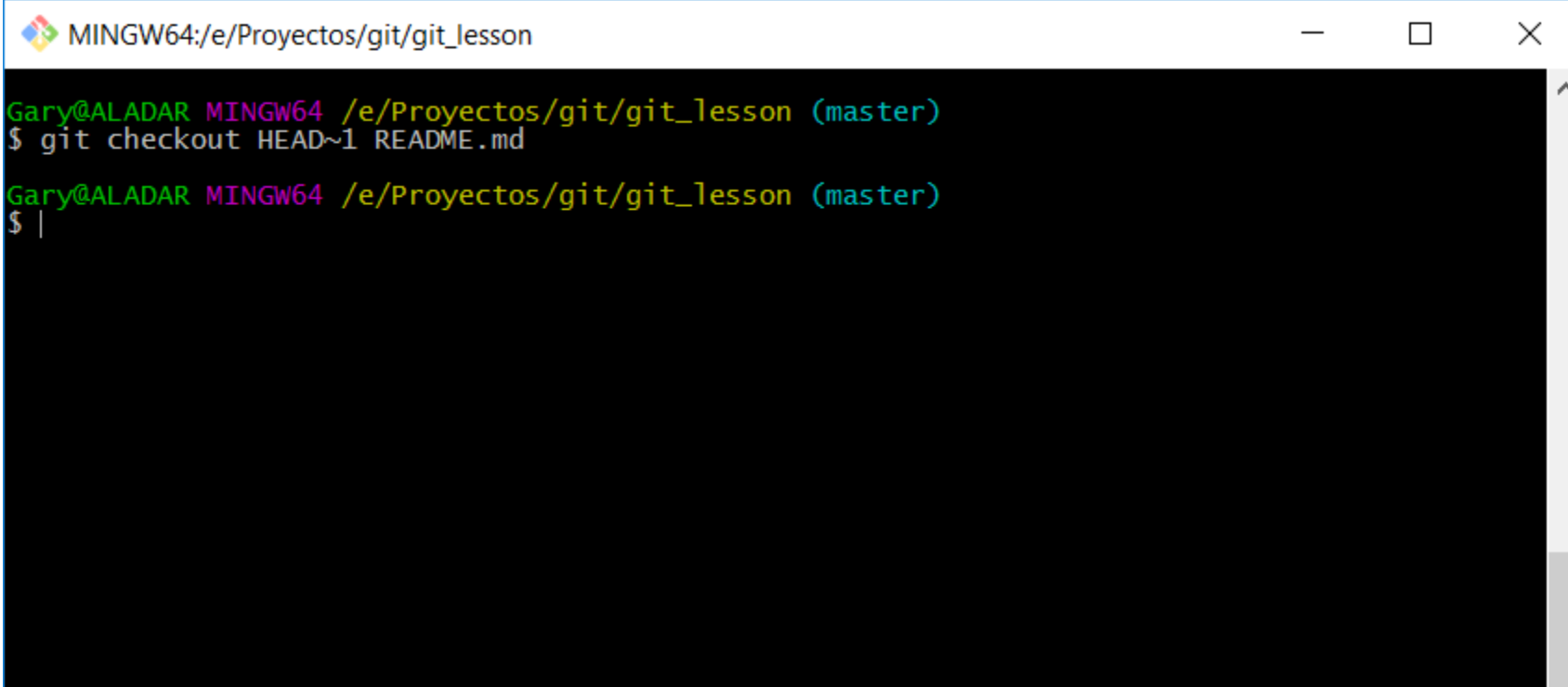
- Se puede visualizar una determinada posición mediante el código único que tiene el commit en el log.

Comando Checkout:



- Se puede utilizar Checkout si se quiere visualizar una versión previa del documento.

Uso del comando: `$ git checkout HEAD~1 README.md`

A screenshot of a Windows terminal window titled "MINGW64:/e/Proyectos/git/git_lesson". The terminal shows the following text:

```
Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ git checkout HEAD~1 README.md

Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ |
```

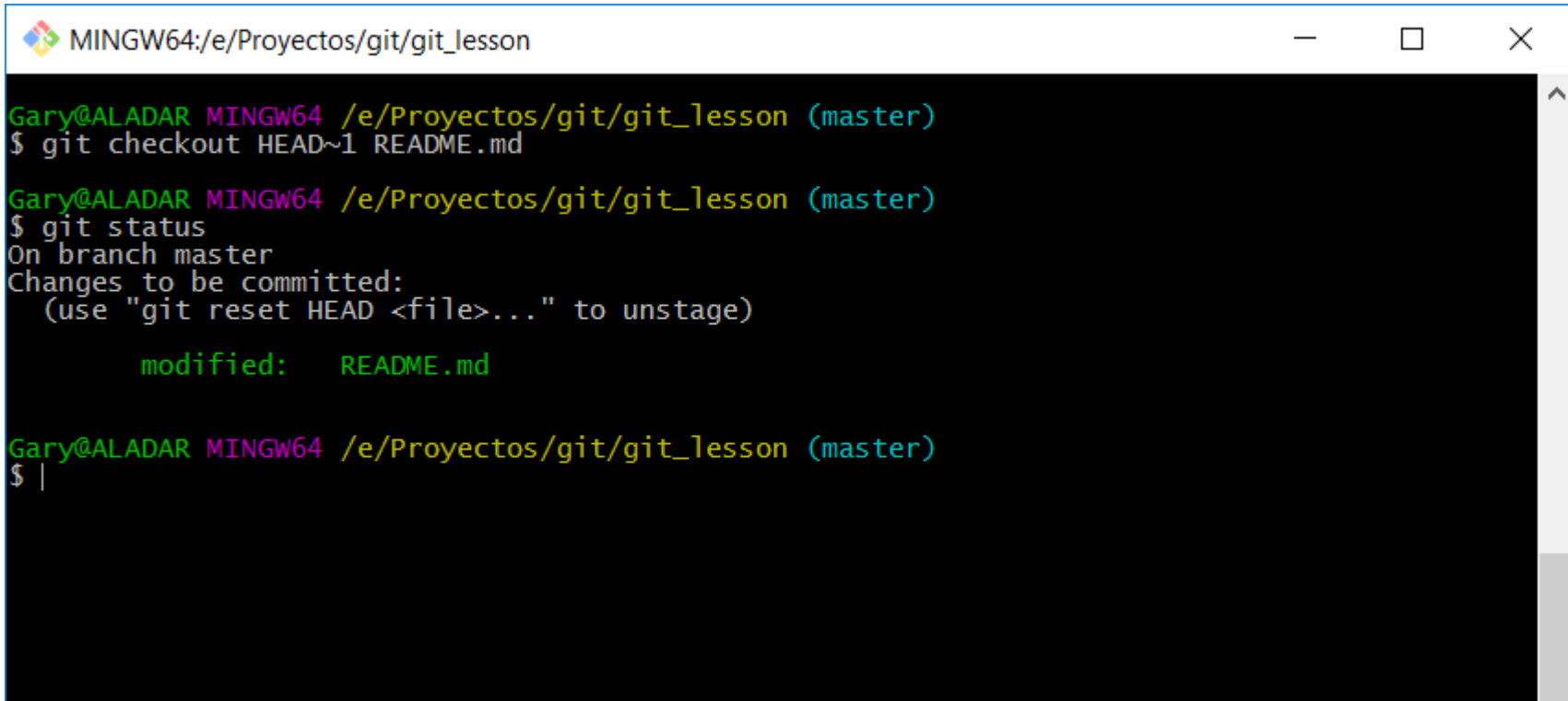
- Utilizamos el comando checkout y luego abrimos el archivo README.md

Revisión del archivo:

```
E:\Proyectos\git\git_lesson\README.md - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
README.md
1 | This repository contains the file used for a git lesson.
2
3 | This is a change to an existing file that git has already tracked.
4
5 | This is a third change for the file
6
7 | Git is a version control system that prevents us from having the "final documentation"
   | problem.
Line 1, Column 1 Tab Size: 4 Markdown
```

- El archivo se encuentra con la versión previa al último commit.

Revisión con: `$ git status`



```
MINGW64:/e/Proyectos/git/git_lesson
Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ git checkout HEAD~1 README.md

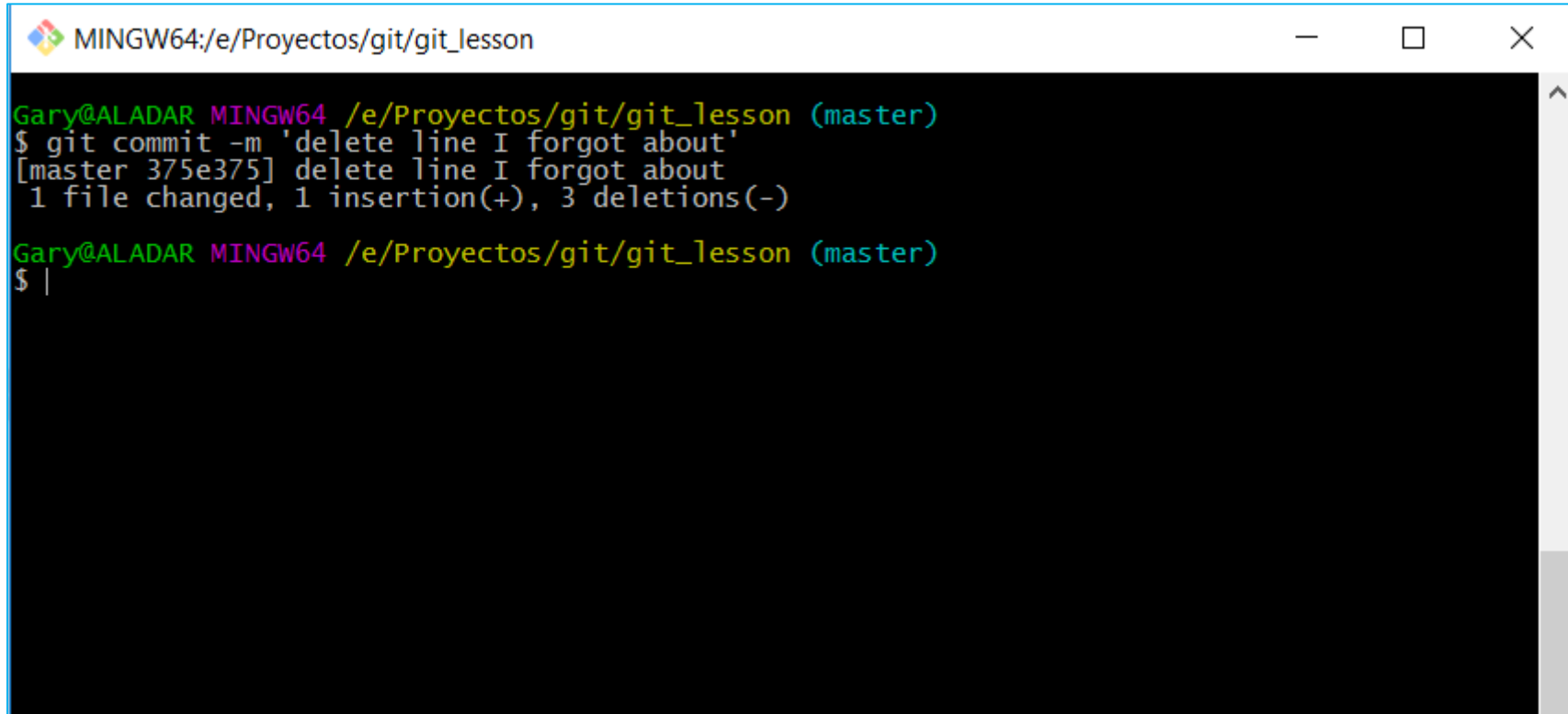
Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   README.md

Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ |
```

- Al realizar el comando checkout, el archivo se encuentra en una versión previa.
- Si revisamos el estatus del archivo, este se encuentra en un estado previo a un commit, pues ha sido modificado.

Commit de la modificación:



```
MINGW64:/e/Proyectos/git/git_lesson
Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ git commit -m 'delete line I forgot about'
[master 375e375] delete line I forgot about
1 file changed, 1 insertion(+), 3 deletions(-)

Gary@ALADAR MINGW64 /e/Proyectos/git/git_lesson (master)
$ |
```

- Al realizar el **commit**, el archivo **README.md** queda con la información de una versión previa.
- De esta forma podemos llevar un archivo a un estado anterior y eliminar los cambios realizados entre un **commit** y otro.