

Metodología de la Investigación

Clase 3

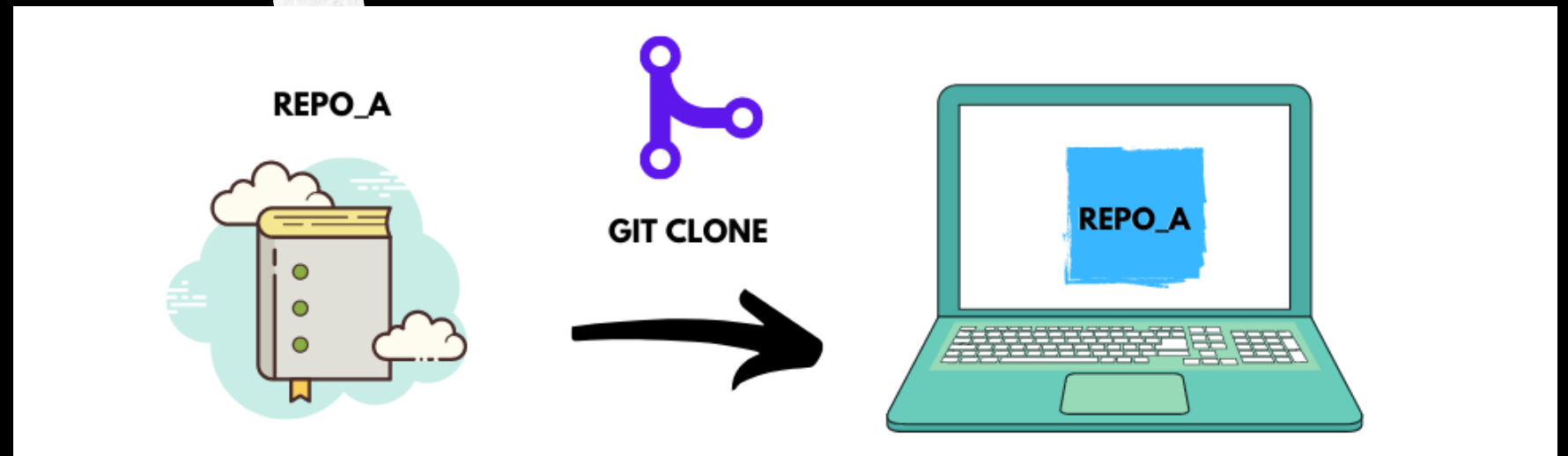
Prof. Natalia Lucero



Diferencias al clonar un repositorio desde Github

Cuando seleccionamos desde code la opción descargar zip, nos va a descargar el código fuente pero no el repositorio que tenemos remoto.

Pero cuando desde nuestra consola ejecutamos el comando git clone, estaremos realizando toda la descarga de nuestro repositorio.



Si seleccionas la opción download zip , estarás descargando sólo el código fuente no el repositorio completo.

The screenshot shows the GitHub interface for the repository 'natyyu / hola-mundo'. The 'Code' button is highlighted, and its dropdown menu is open, showing options for cloning or downloading the code. The 'Download ZIP' option is circled in yellow. The repository page also displays a file list with 'README.md' and 'ejercicio.md', and a description of the repository as 'mi primer repositorio en Github'.

github.com/natyyu/hola-mundo

natyyu / hola-mundo

Type to search

Code Issues Pull requests 1 Actions Projects Wiki Security Insights Settings

hola-mundo Public

Pin Unwatch 1 Fork 1 Star 0

main 3 branches 3 tags

Go to file Add file <> Code

Local Codespaces New

Clone

HTTPS SSH GitHub CLI

https://github.com/natyyu/hola-mundo.git

Use Git or checkout with SVN using the web URL.

Open with GitHub Desktop

Download ZIP

About

No description, website, or topics provided.

Readme Activity 0 stars 1 watching 1 fork

Releases

3 tags Create a new release

natyylu Update README.md

README.md Update README.md

ejercicio.md añadido una linea de codigo

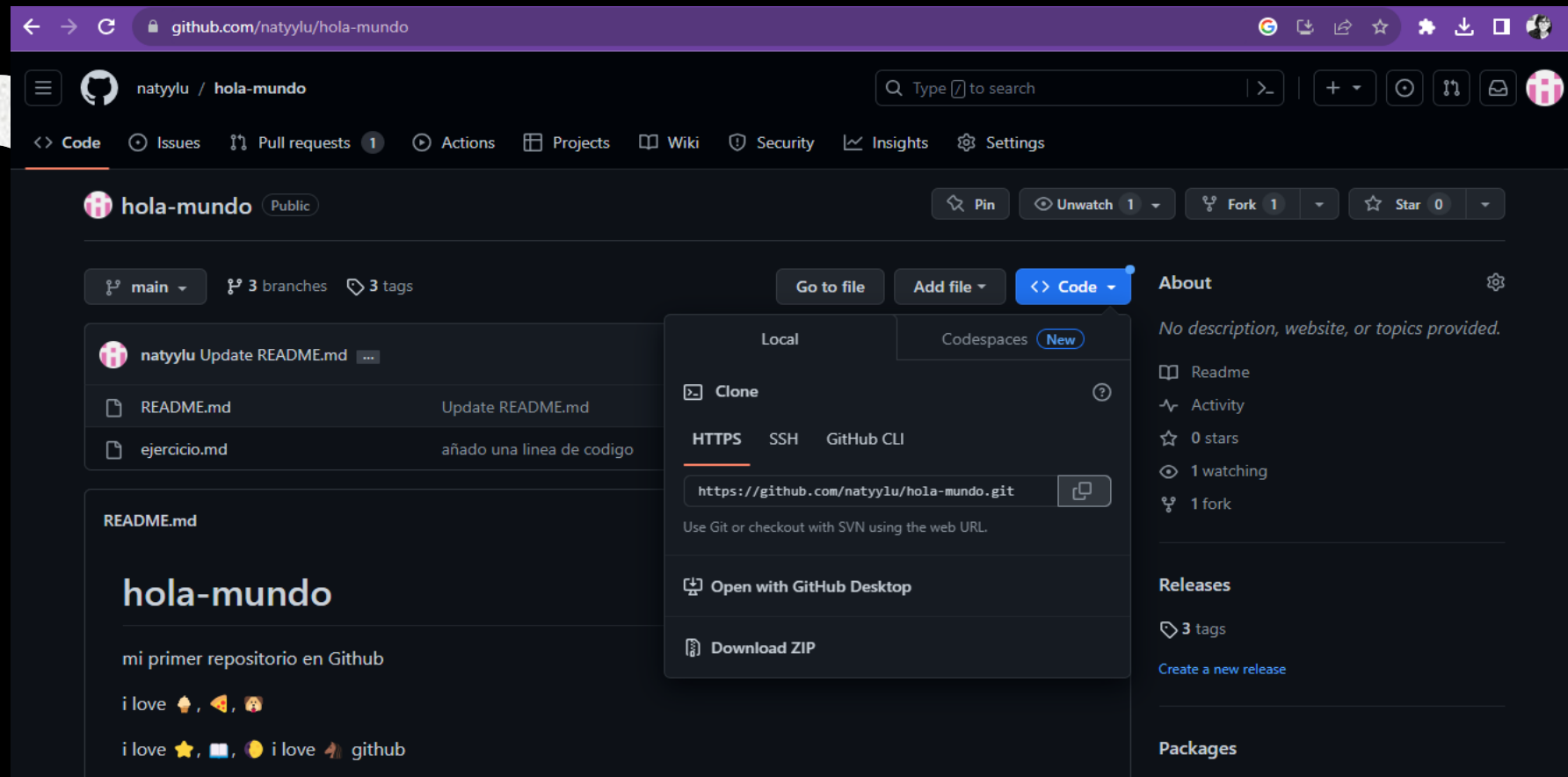
README.md

hola-mundo

mi primer repositorio en Github

i love 🍕, 🍕, 🍕

En cambio, cuando seleccionamos la opción https y copiamos el enlace, abrimos la consola de git bash e ingresamos el comando git clone y pegamos el enlace , nos descargará el repositorio completo, ósea una copia exacta del repositorio remoto.



Ya ubicados en la consola ingresaremos el comando git clone junto con el enlace de git que pegamos desde github, damos enter y ya tendríamos nuestro repositorio clonado de manera local.

```
Usuario@DESKTOP-0DDTI6S MINGW64 ~ (master)
$ git clone https://github.com/natyylu/hola-mundo.git
Cloning into 'hola-mundo'...
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 9 (delta 2), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (9/9), done.
Resolving deltas: 100% (2/2), done.

Usuario@DESKTOP-0DDTI6S MINGW64 ~ (master)
$
```

Modificación de un commit en Github

- Algo que nos permite github es modificar un commit.
- Para realizarlo seleccionaremos donde dice commits

The screenshot shows the GitHub interface for the repository 'natyyylu / hola-mundo'. The repository is public and has 1 fork, 0 stars, and 1 watching. The commit history table shows the following entries:

Commit	Message	Time
a1a6381	Update README.md	2 weeks ago
	añado una linea de codigo	2 weeks ago

The '15 commits' link in the commit history is circled in yellow. Below the commit history, the README file is displayed, showing the text 'hola-mundo' and 'mi primer repositorio en Github'.

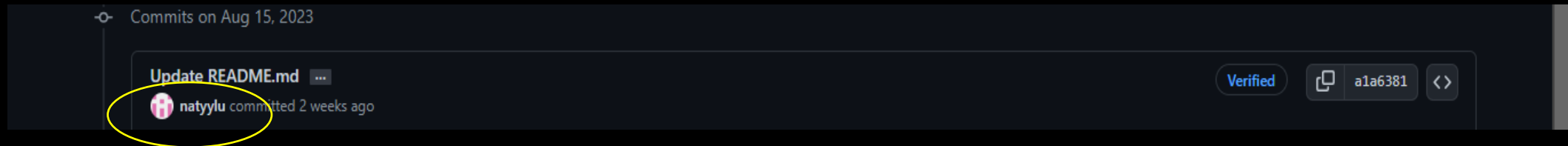
Seleccionan el commit que desean modificar

The screenshot shows the GitHub interface for the repository 'natyylu/hola-mundo'. The 'Commits' tab is selected, and the 'main' branch is chosen. The commit history is filtered by date, showing commits from August 15, 2023, and June 27, 2023. The commit 'Update README.md' by 'natyylu' from June 27, 2023, is highlighted with a yellow circle.

Commit Message	Author	Commit Hash	Verified
Update README.md	natyylu	a1a6381	Yes
añado una linea de codigo	natalialucero	eca3ad4	No
agregé el archivo ejercicio	natalialucero	9bbcd25	No
Update README.md	natyylu	9bfd7ff	Yes
Update README.md	natyylu	aee9089	Yes
Update README.md	natyylu	989a70c	Yes

Cómo identificamos los commit que realizamos de manera remota y los de manera local.

el commit que se realizó de forma remota estará logeado con el nombre de la cuenta de git hub



El commit que se realizó de forma local estará logeado con los datos del repositorio local



Una vez que modificamos un commit nos figurará el commit en una linea de color rojo.

github.com/natyylyu/hola-mundo/commit/37c3b6e04d68a9c60c354395d7f457c878c3ffe9?diff=split

Update README.md
eliminamos algunos cambios

main

natyylyu committed 1 minute ago Verified 1 parent a1a6381 commit 37c3b6e

Showing 1 changed file with 0 additions and 1 deletion. Split Unified

1 README.md

@@ -10,7 +10,6 @@ i love :icecream:, :pizza:, :dog:	
10	10
11 mi ultima linea en mi repositorio	11 mi ultima linea en mi repositorio
12	12
13 - nueva actividad	
14	13
15 finalizando con github	14 finalizando con github
16 modifiko listas	15 modifiko listas

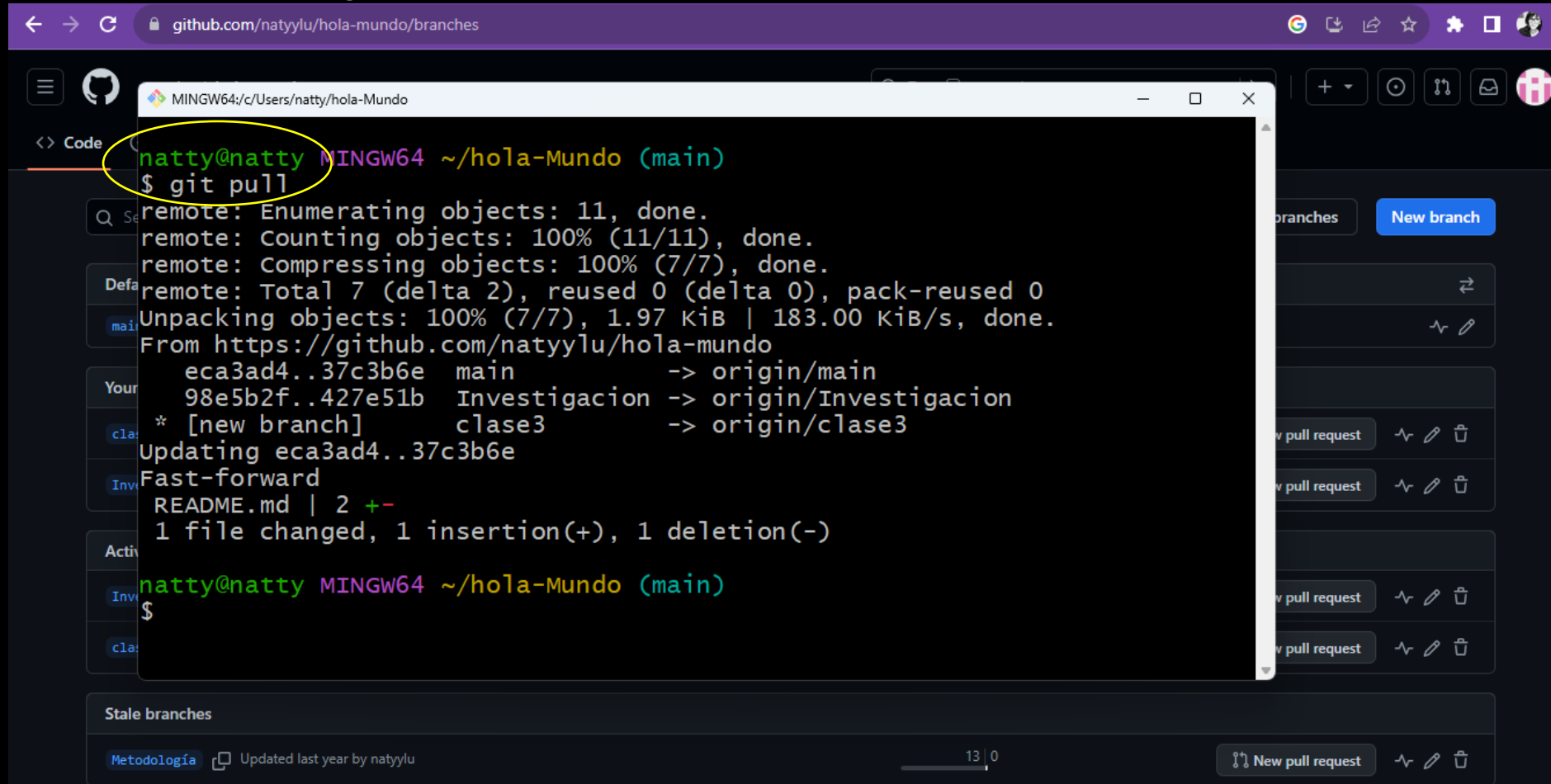
0 comments on commit 37c3b6e Lock conversation

Write Preview

Leave a comment

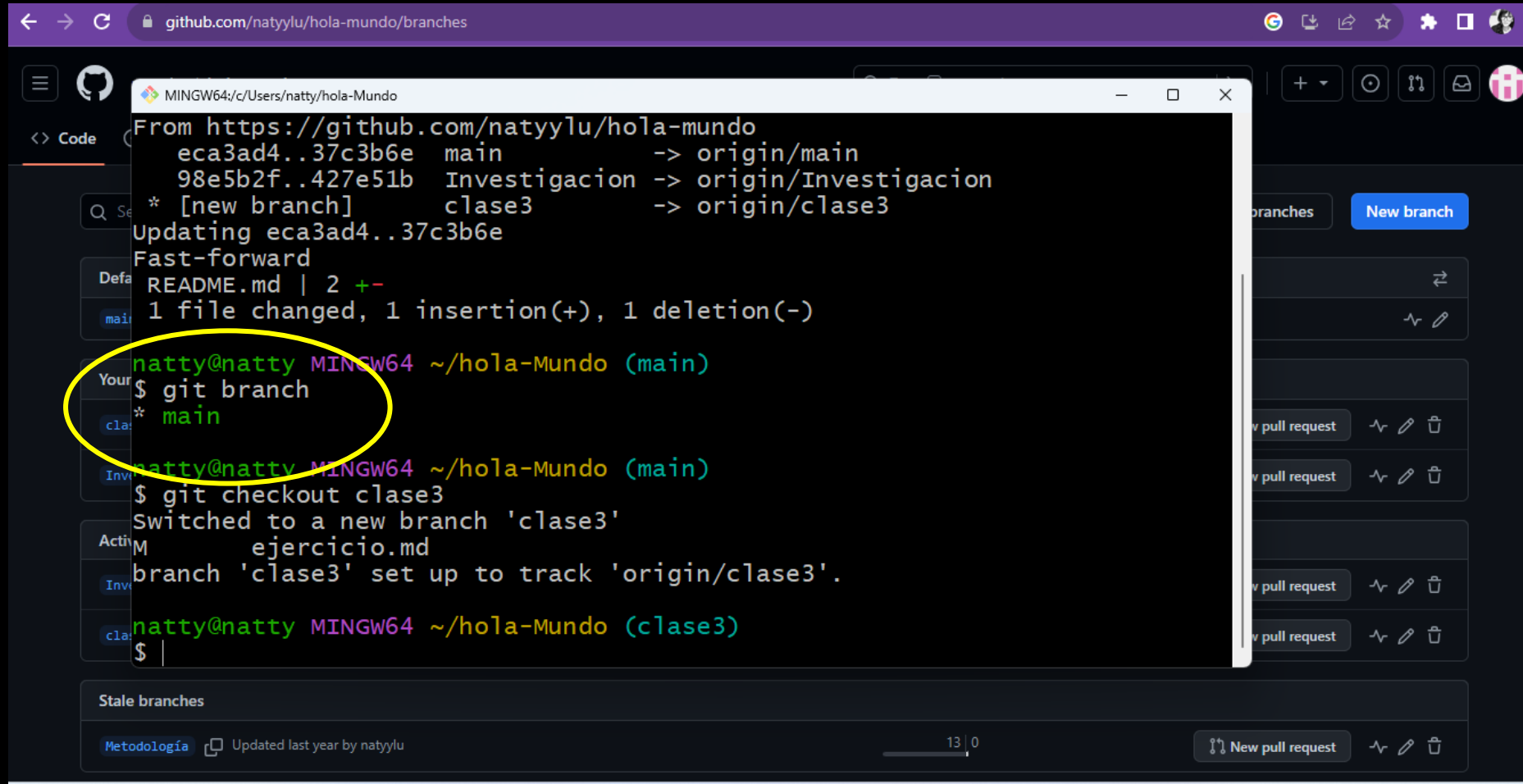
¿Cómo actualizamos la nueva rama que creamos Git hub y la añadimos a nuestro repositorio local?

Utilizaremos el comando git pull para actualizar nuestro repositorio.



```
MINGW64/c/Users/natty/hola-Mundo
natty@natty MINGW64 ~/hola-Mundo (main)
$ git pull
remote: Enumerating objects: 11, done.
remote: Counting objects: 100% (11/11), done.
remote: Compressing objects: 100% (7/7), done.
remote: Total 7 (delta 2), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (7/7), 1.97 KiB | 183.00 KiB/s, done.
From https://github.com/nattyylu/hola-mundo
   eca3ad4..37c3b6e  main       -> origin/main
   98e5b2f..427e51b  Investigacion -> origin/Investigacion
* [new branch]      clase3     -> origin/clase3
Updating eca3ad4..37c3b6e
Fast-forward
 README.md | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)
natty@natty MINGW64 ~/hola-Mundo (main)
$
```

Una vez que ya actualizamos nuestro repositorio, podremos visualizar los cambios, pero no la rama creada en git hub, porque necesitaremos actualizar las ramas de forma manual.



The screenshot shows a web browser displaying the GitHub repository page for `natyyly/hola-mundo/branches`. A terminal window is overlaid on the page, showing the following commands and output:

```
From https://github.com/natyyly/hola-mundo
 eca3ad4..37c3b6e  main          -> origin/main
 98e5b2f..427e51b  Investigacion -> origin/Investigacion
* [new branch]     clase3       -> origin/clase3
Updating eca3ad4..37c3b6e
Fast-forward
 README.md | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)

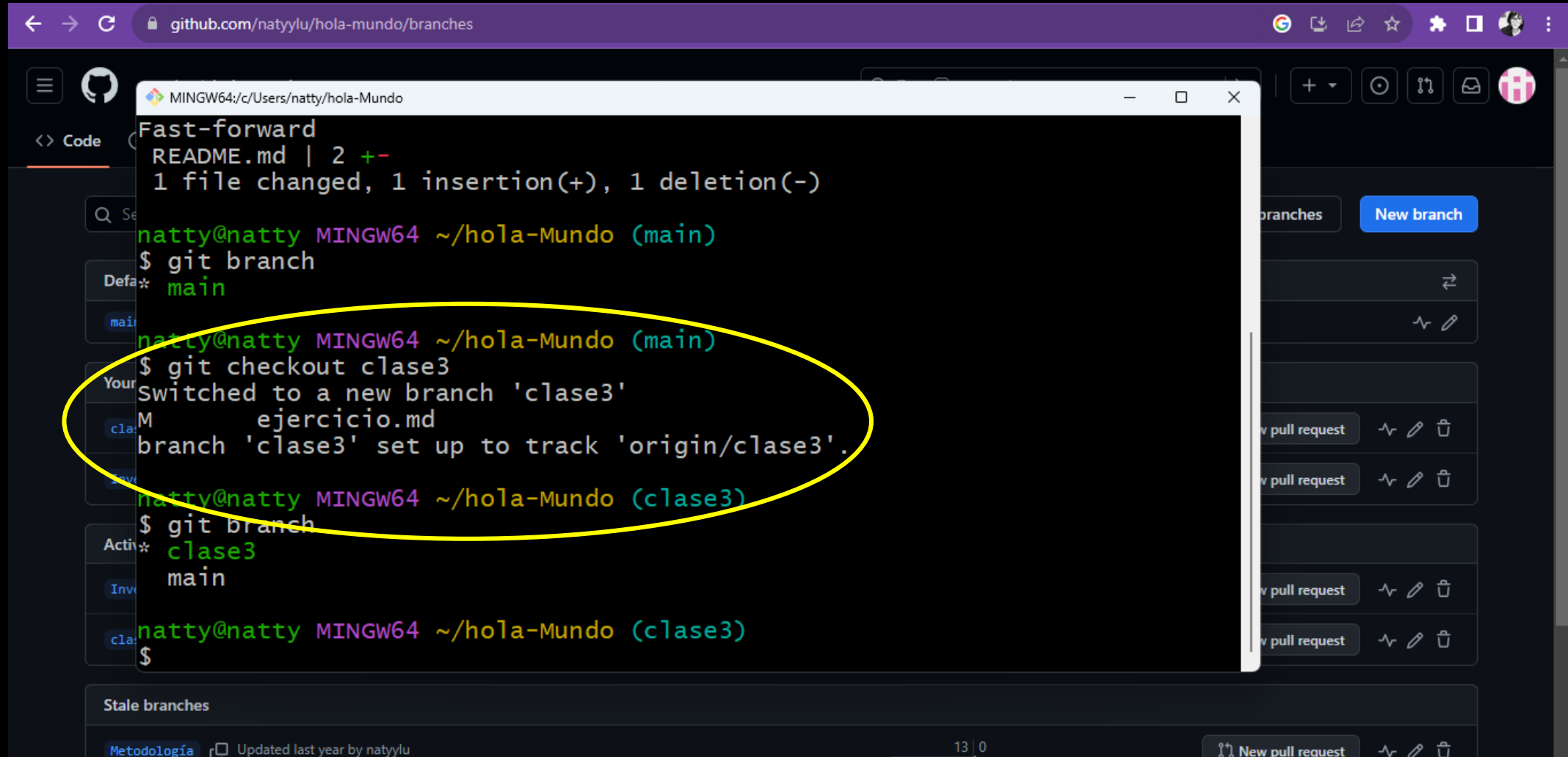
natty@natty MINGW64 ~/hola-Mundo (main)
$ git branch
* main

natty@natty MINGW64 ~/hola-Mundo (main)
$ git checkout clase3
Switched to a new branch 'clase3'
M      ejercicio.md
branch 'clase3' set up to track 'origin/clase3'.

natty@natty MINGW64 ~/hola-Mundo (clase3)
$
```

The terminal window also shows a "Stale branches" section at the bottom, indicating that the `Metodologia` branch has not been updated for a long time.

Con el comando `git checkout` (nombre rama aux.) voy a añadir la rama creada en git hub.



The screenshot shows a web browser displaying the GitHub repository page for `github.com/nattyylu/hola-mundo/branches`. A terminal window is overlaid on the page, showing the following commands and output:

```
Fast-forward
 README.md | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)

natty@natty MINGW64 ~/hola-Mundo (main)
$ git branch
* main

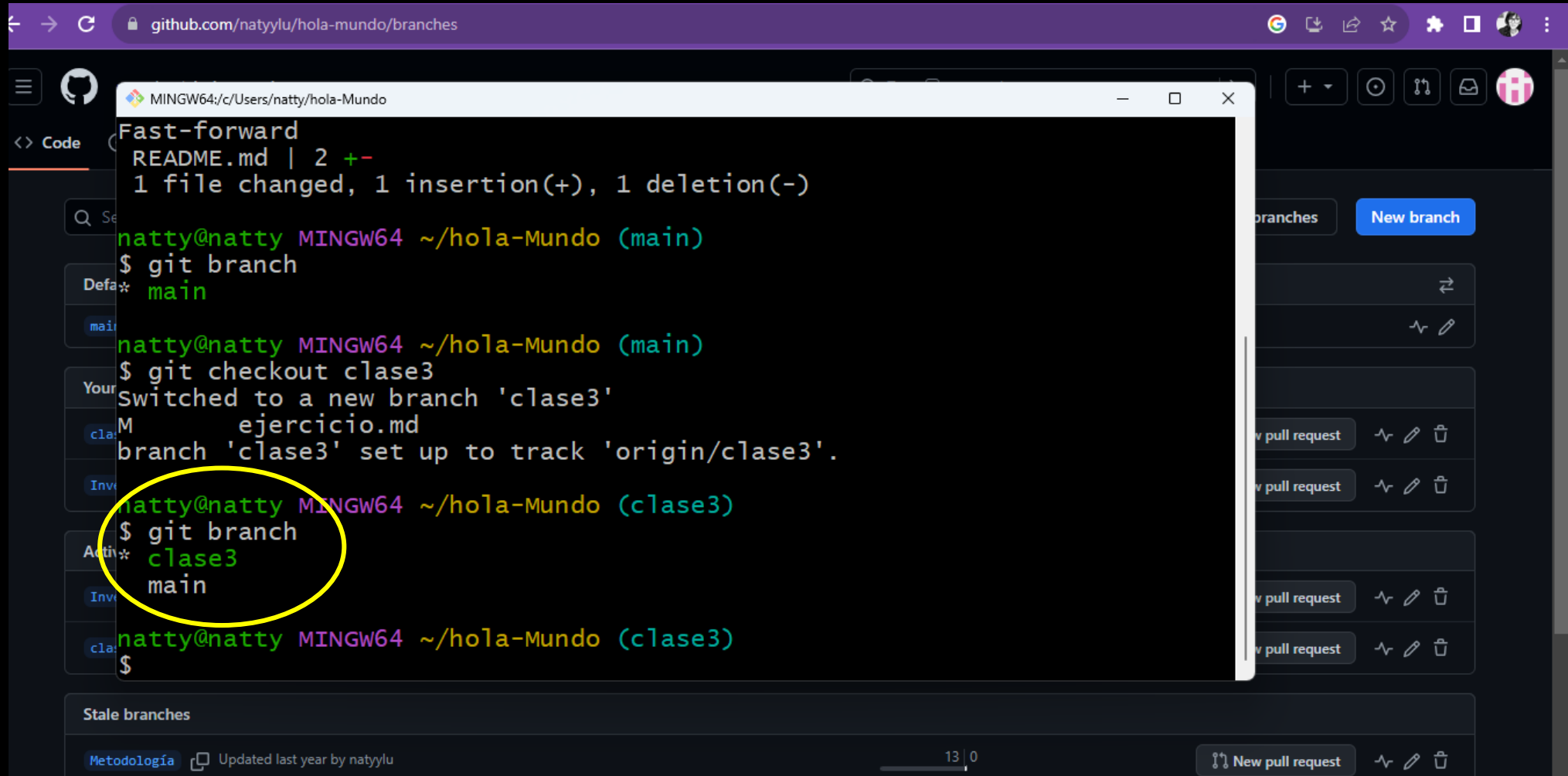
natty@natty MINGW64 ~/hola-Mundo (main)
$ git checkout clase3
Switched to a new branch 'clase3'
M      ejercicio.md
branch 'clase3' set up to track 'origin/clase3'.

natty@natty MINGW64 ~/hola-Mundo (clase3)
$ git branch
* clase3
  main

natty@natty MINGW64 ~/hola-Mundo (clase3)
$
```

The terminal window title is `MINGW64/c/Users/natty/hola-Mundo`. The output of the `git checkout` command is circled in yellow. The background shows the GitHub interface with a sidebar on the left and a list of branches on the right.

Para poder visualizar la rama digitaremos git branch y nos figurará la rama creada.



The screenshot shows a web browser displaying the GitHub repository page for `github.com/nattylyu/hola-mundo/branches`. A terminal window is overlaid on the page, showing the following commands and output:

```
MINGW64/c/Users/natty/hola-Mundo
Fast-forward
 README.md | 2 +
 1 file changed, 1 insertion(+), 1 deletion(-)

natty@natty MINGW64 ~/hola-Mundo (main)
$ git branch
* main

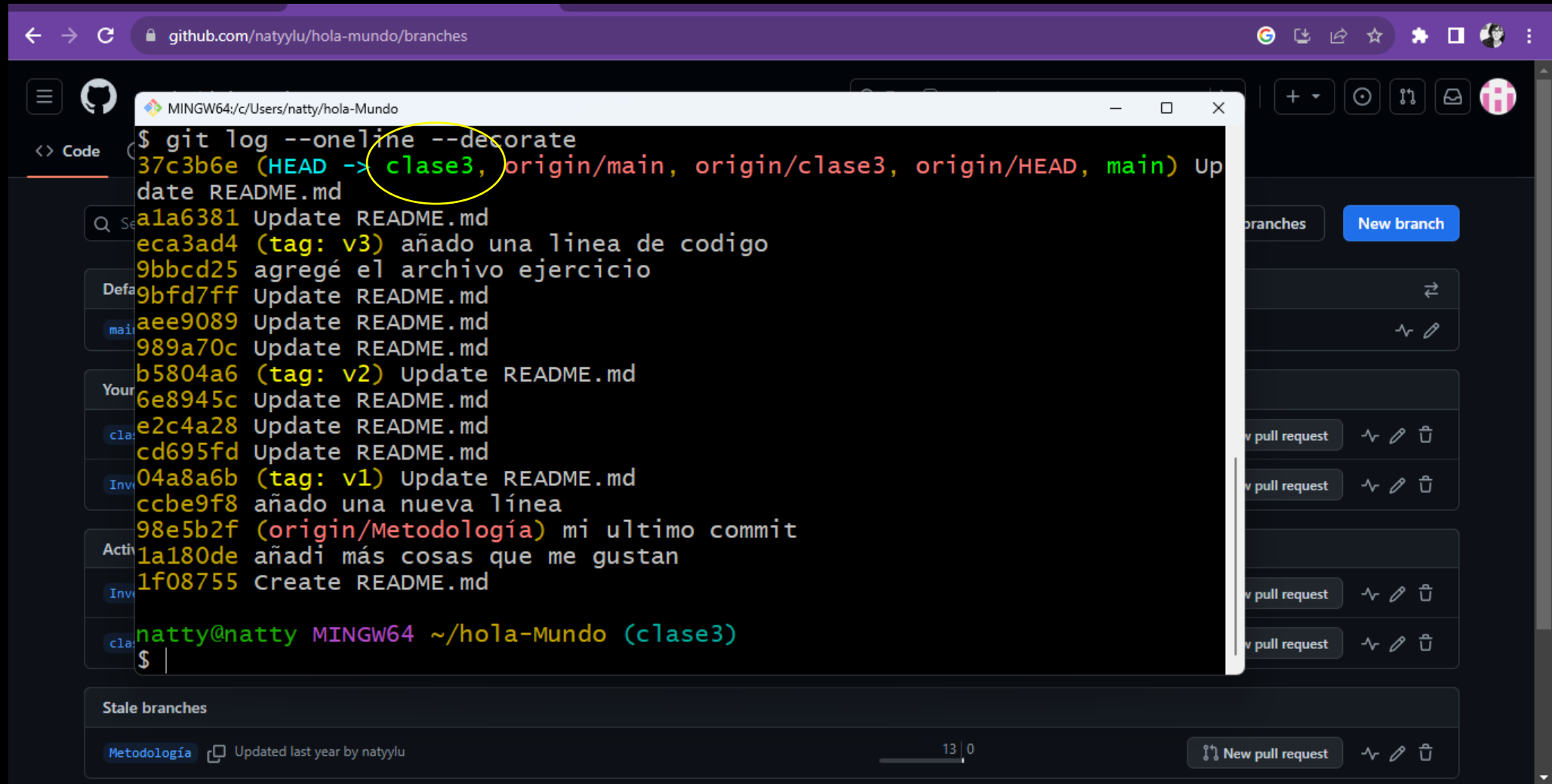
natty@natty MINGW64 ~/hola-Mundo (main)
$ git checkout clase3
Switched to a new branch 'clase3'
M      ejercicio.md
branch 'clase3' set up to track 'origin/clase3'.

natty@natty MINGW64 ~/hola-Mundo (clase3)
$ git branch
* clase3
  main

natty@natty MINGW64 ~/hola-Mundo (clase3)
$
```

The output of the final `git branch` command is circled in yellow, showing the current branch (`* clase3`) and the default branch (`main`).

Para finalizar utilizaremos el comando `git log --oneline --decorate` para visualizar los cambios en nuestro repositorio



The screenshot shows a web browser displaying the GitHub repository page for `natyyu/hola-mundo/branches`. A terminal window is overlaid on the page, showing the output of the command `git log --oneline --decorate`. The terminal output lists the commit history, including the current commit `37c3b6e` on the `clase3` branch, and previous commits on the `main` branch and other branches like `Metodología`. The terminal window title is `MINGW64:/c/Users/natty/hola-Mundo`. The GitHub page background shows the repository structure with branches like `main`, `clase3`, and `Metodología`.


```
$ git log --oneline --decorate
37c3b6e (HEAD -> clase3, origin/main, origin/clase3, origin/HEAD, main) Up
date README.md
a1a6381 Update README.md
eca3ad4 (tag: v3) añadido una linea de codigo
9bbcd25 agregé el archivo ejercicio
9bfd7ff Update README.md
aee9089 Update README.md
989a70c Update README.md
b5804a6 (tag: v2) Update README.md
6e8945c Update README.md
e2c4a28 Update README.md
cd695fd Update README.md
04a8a6b (tag: v1) Update README.md
ccbe9f8 añadido una nueva línea
98e5b2f (origin/Metodología) mi ultimo commit
1a180de añadi más cosas que me gustan
1f08755 Create README.md

natty@natty MINGW64 ~/hola-Mundo (clase3)
$
```

Para hacer un merge a mi rama main en git hub utilizaremos el pull request, siempre necesitaremos la aprobación del owner o encargado de proyecto. Si el encargado de proyecto da el visto bueno se acepta el pull request.

Open a pull request


Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

 base: main

←

compare: clase3

✓ Able to merge. These branches can be automatically merged.



Update README.md

Write

Preview

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añado un nuevo cambio

Attach files by dragging & dropping, selecting or pasting them.

Create pull request

Reviewers

No reviews

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Use [Closing keywords](#) in the description to

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

El pull request será examinado antes de aceptar integrarlo a la rama main. Una vez examinado y aprobado se procede al merge. Seleccionaremos Merge pull request.

The screenshot shows a GitHub pull request interface. At the top, the browser address bar displays 'github.com/natyylu/hola-mundo/pull/3'. The pull request title is 'Update README.md #3', with a subtitle indicating 'natyylu wants to merge 1 commit into main from clase3'. An 'Open' button is visible. Below the title, a commit card shows 'Update README.md' with a 'Verified' badge and a commit hash '788a307'. A message states: 'Add more commits by pushing to the `clase3` branch on `natyylu/hola-mundo`.' The status section contains two items: a warning 'Continuous integration has not been set up' and a success message 'This branch has no conflicts with the base branch' with a 'Merge pull request' button. The right sidebar includes options for 'Assignees' (No one), 'Labels' (None yet), 'Projects' (None yet), 'Milestone' (No milestone), and 'Development' (Successfully merging this pull request may close these issues). At the bottom, there is a 'Notifications' section with an 'Unsubscribe' button and a note about receiving notifications.

Una vez realizado el merge ya podemos eliminar la rama si no la utilizaremos más adelante.


← → ↻


github.com/natyylu/hola-mundo/pull/3


🔍 ⬇️ 📄 ☆ ⚙️ 🏠 👤 ⋮

Merged

Update README.md #3

natyylu merged 1 commit into `main` from `clase3`  now







Update README.md

...

Verified


788a307





natyylu merged commit 38ccde4 into `main` now


Revert



Pull request successfully merged and closed










You're all set—the `clase3` branch can be safely deleted.

Delete branch




Write


Preview

H B I       @   

Leave a comment

Attach files by dragging & dropping, selecting or pasting them. 

Comment

 Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone


Development

Successfully merging this pull request may close these issues.

None yet

Notifications

Customize

 Unsubscribe

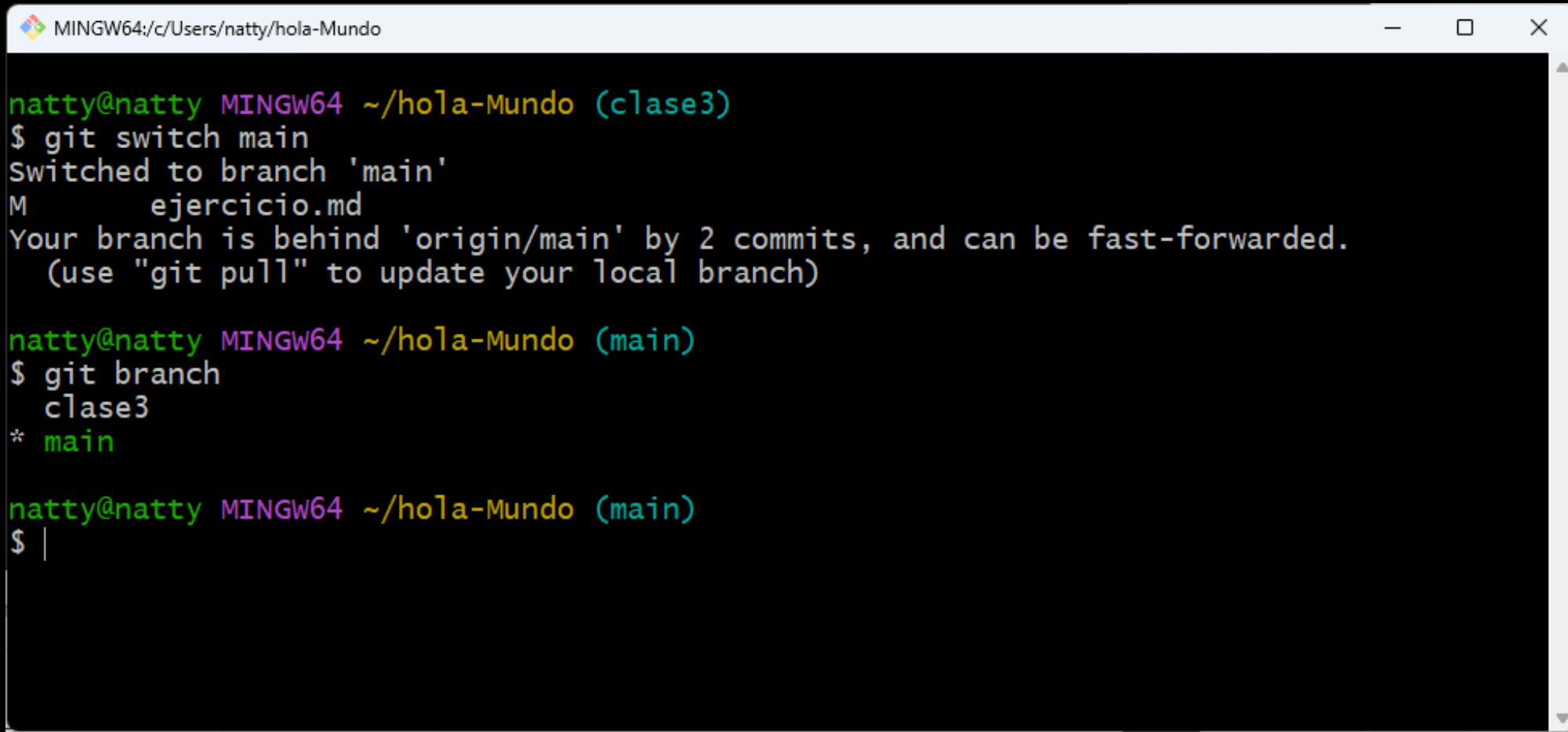
You're receiving notifications because you're watching this repository.

Para eliminar la rama creada desde git hub, solo seleccionaremos borrar ■

The screenshot shows the GitHub interface for the repository 'natyylu/hola-mundo'. The 'branches' tab is selected, displaying a list of branches categorized into Default, Your branches, Active branches, and Stale branches. The 'Investigacion' branch is highlighted with a yellow circle, indicating the action to delete it.

Branch Name	Updated	Commits	Actions
Default branch			
main	Updated 18 hours ago by natyylu	0 0	Default
Your branches			
clase3	Updated 18 hours ago by natyylu	0 0	New pull request, Watch, Edit, Delete
Investigacion	Updated 17 hours ago by natyylu	0 1	New pull request, Watch, Edit, Delete
Active branches			
Investigacion	Updated 17 hours ago by natyylu	0 1	New pull request, Watch, Edit, Delete
clase3	Updated 18 hours ago by natyylu	0 0	New pull request, Watch, Edit, Delete
Stale branches			
Metodología	Updated last year by natyylu	13 0	New pull request, Watch, Edit, Delete

Muchas veces git no nos actualizará los cambios en nuestro repositorio local de forma automática, después de ejecutar un pull en nuestra consola de git bash. Ya que nos seguirá apareciendo la rama aux que cree en remoto.

A screenshot of a Windows command prompt window titled "MINGW64:/c/Users/natty/hola-Mundo". The window has standard Windows window controls (minimize, maximize, close) in the top right corner. The command prompt shows a user named "natty" at a shell prompt. The user enters "git switch main", and the output shows "Switched to branch 'main'" and "M ejercicio.md". Then, the user enters "git branch", and the output shows "clase3" and "* main". Finally, the user enters "git pull", and the output shows "Your branch is behind 'origin/main' by 2 commits, and can be fast-forwarded. (use 'git pull' to update your local branch)".

```
MINGW64:/c/Users/natty/hola-Mundo

natty@natty MINGW64 ~/hola-Mundo (clase3)
$ git switch main
Switched to branch 'main'
M      ejercicio.md
Your branch is behind 'origin/main' by 2 commits, and can be fast-forwarded.
  (use "git pull" to update your local branch)

natty@natty MINGW64 ~/hola-Mundo (main)
$ git branch
clase3
* main

natty@natty MINGW64 ~/hola-Mundo (main)
$ |
```

Como estoy trabajando en la rama que cree, voy a utilizar git switch main para moverme a la rama principal y poder eliminar la rama auxiliar.

```
MINGW64:/c/Users/natty/hola-Mundo
natty@natty MINGW64 ~/hola-Mundo (clase3)
$ git switch main
Switched to branch 'main'
M      ejercicio.md
Your branch is behind 'origin/main' by 2 commits, and can be fast-forwarded.
(use "git pull" to update your local branch)

natty@natty MINGW64 ~/hola-Mundo (main)
$ git branch
  clase3
* main

natty@natty MINGW64 ~/hola-Mundo (main)
$ git branch -d clase3
```

Eliminaremos la rama auxiliar con `git branch -d nombre de la rama aux.` y ya no nos figurará.

```
MINGW64:/c/Users/natty/hola-Mundo
Switched to branch 'main'
M      ejercicio.md
Your branch is behind 'origin/main' by 2 commits, and can be fast-forwarded.
(use "git pull" to update your local branch)

natty@natty MINGW64 ~/hola-Mundo (main)
$ git branch
  clase3
* main

natty@natty MINGW64 ~/hola-Mundo (main)
$ git branch -d clase3
Deleted branch clase3 (was 37c3b6e).

natty@natty MINGW64 ~/hola-Mundo (main)
$ git branch
* main

natty@natty MINGW64 ~/hola-Mundo (main)
$
```

y si ejecutamos un
git log --all --oneline
--decorate podremos ver el merge a la rama principal

```
natty@natty MINGW64 ~/hola-Mundo (main)
$ git log --all --oneline --graph --decorate
fatal: unrecognized argument: --decorate

natty@natty MINGW64 ~/hola-Mundo (main)
$ git log --oneline --all --graph --decorate
*    38ccde4 (origin/main, origin/HEAD) Merge pull request #3 from natyy1u/clase3
| \
|  * 788a307 Update README.md
| /
| *   427e51b (origin/Investigacion) Merge pull request #2 from natyy1u/main
```

Actividades:

- 1- Realizar asistencia en el campus.
 - 2- Aplicar los comandos vistos en clase y realizar captura de los pasos (1 captura por punto)
 - 3- Enviar trabajo grupal con: nombre del grupo , nombre y apellido de los alumnos que participaron.
- Fecha de entrega : 14/09