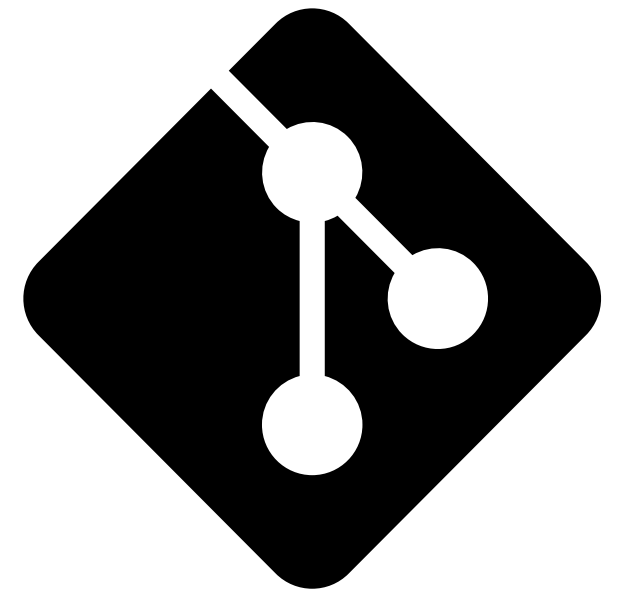


Gestión de código fuente a través de software de control de versiones.

¿Qué es un control de versiones?

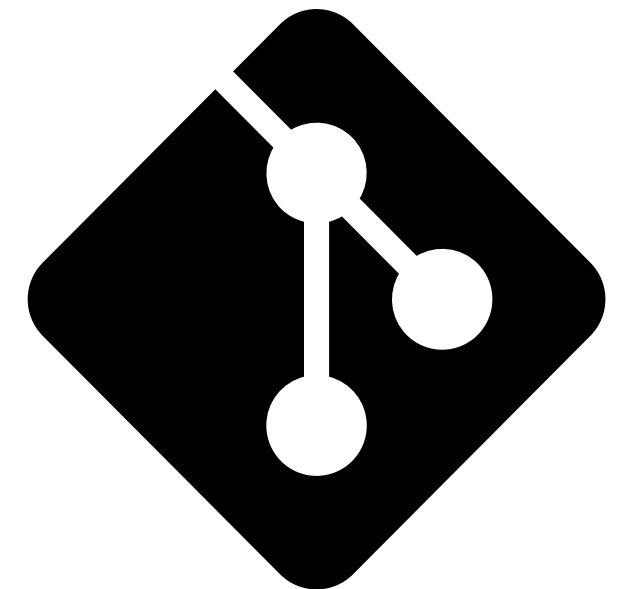
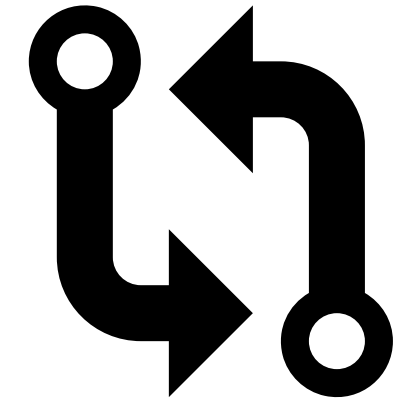
" Sistema que permite registrar los cambios que se pueden producir en en unos o muchos archivos de un proyecto. Permite regresar a versiones previamente guardadas. Listar quienes han realizado cambios en los archivos



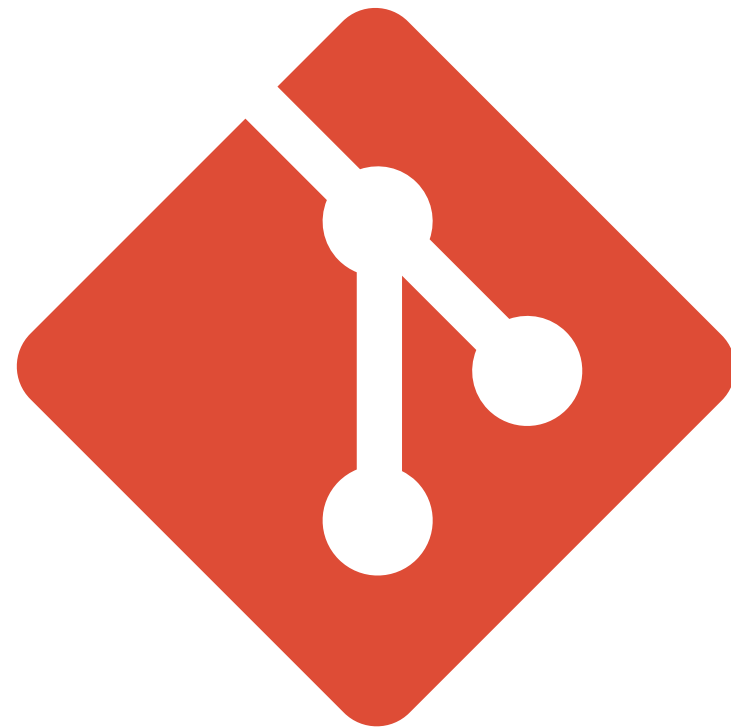


Sistemas de Control de Versiones

- SVN - Subversion
- Mercurial
- * GIT



Gestión de código fuente a través de software de control de versiones.



"¿Qué es GIT?"

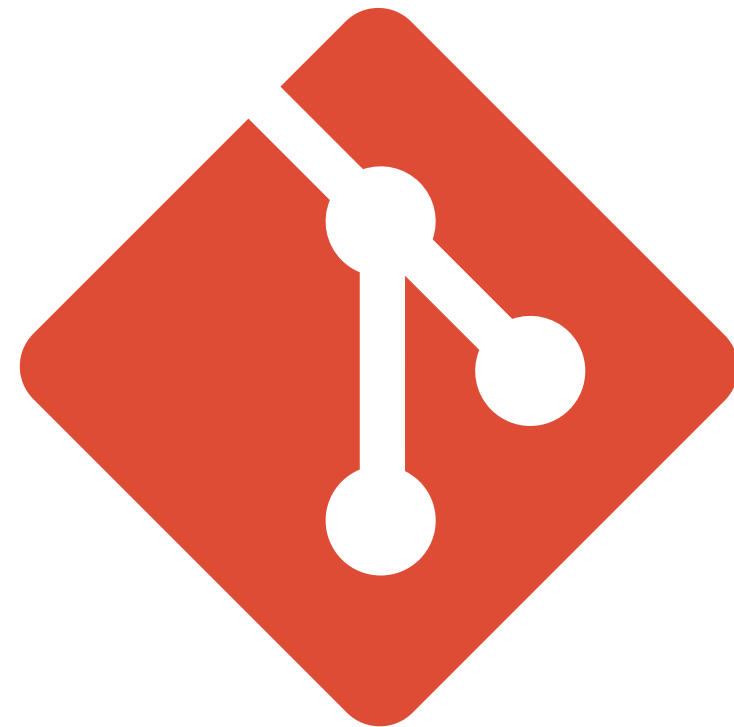
- Sistema de control de versiones desarrollados por Linus Torvals
- Lo usan en proyecto como: kernel de linux, android, google, facebook, twitter, netflix.
- Si trabajamos solos, se necesita tener un seguimiento y control del trabajo.
- Si trabajamos en grupo, necesitamos colaboración entre los participantes.



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Gestión de código fuente a través de software de control de versiones.



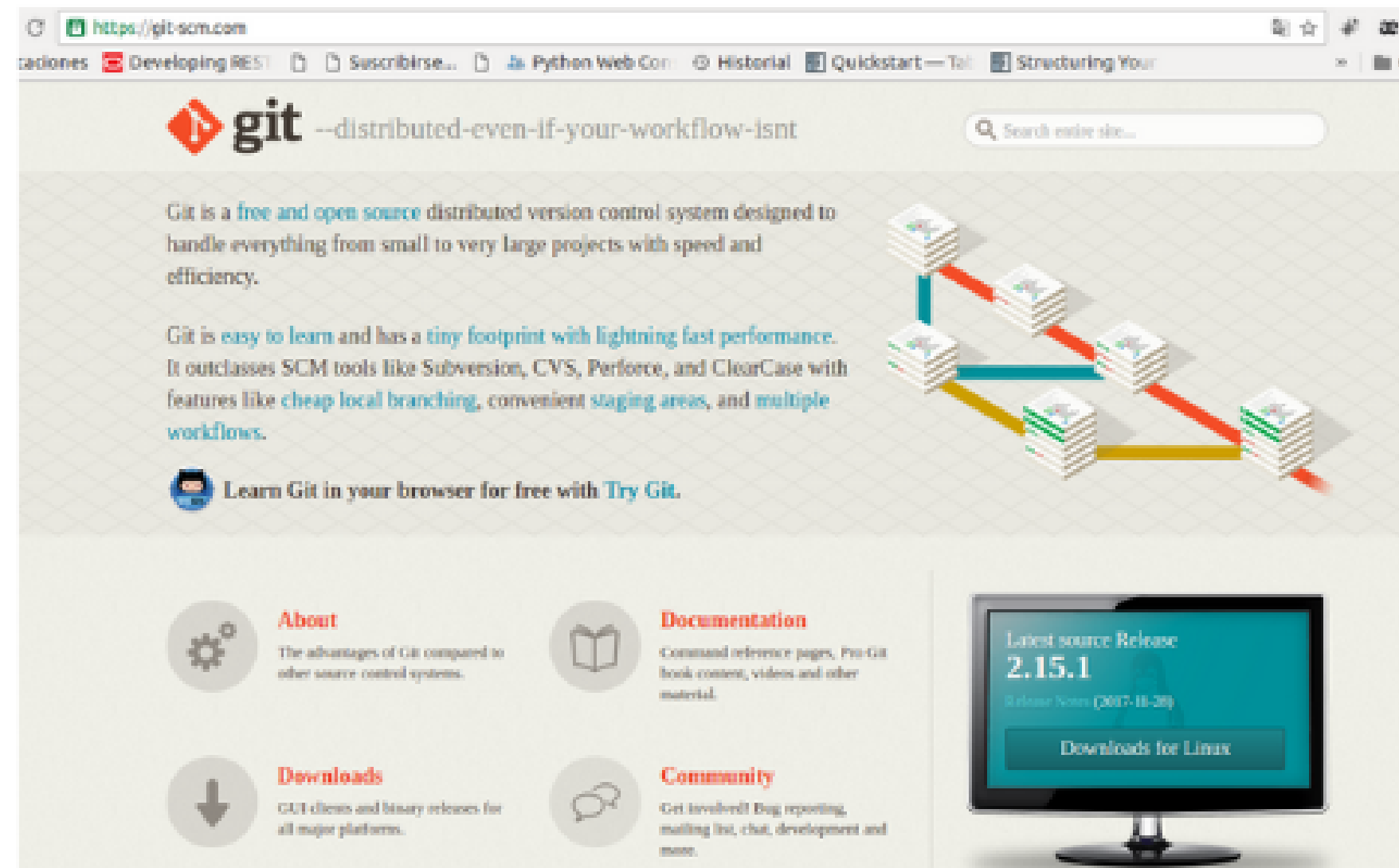
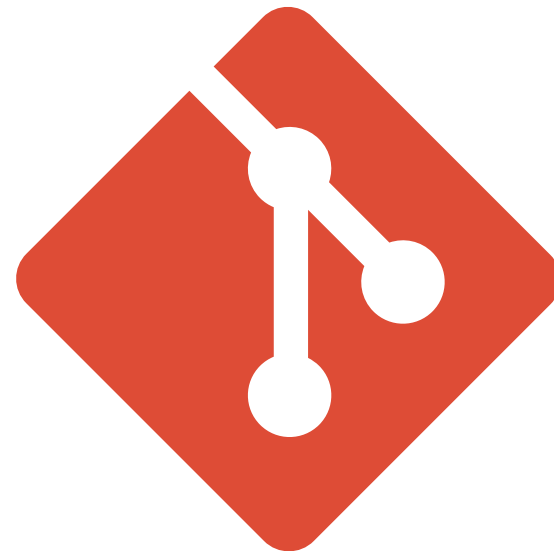
Debo usar GIT?

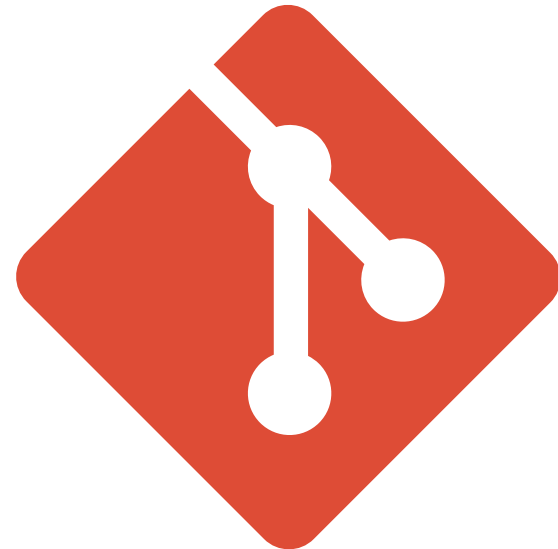
Todos los que tenemos relación con la elaboración de proyectos software, análisis de datos. Si trabajamos con archivos de word, excel, de música, fotografías; se puede usar git para poder llevar el control de los cambios de los archivos .

Gestión de código fuente a través de software de control de versiones.

Instalación para Windows

<https://git-scm.com>





Instalación para GNU/Linux

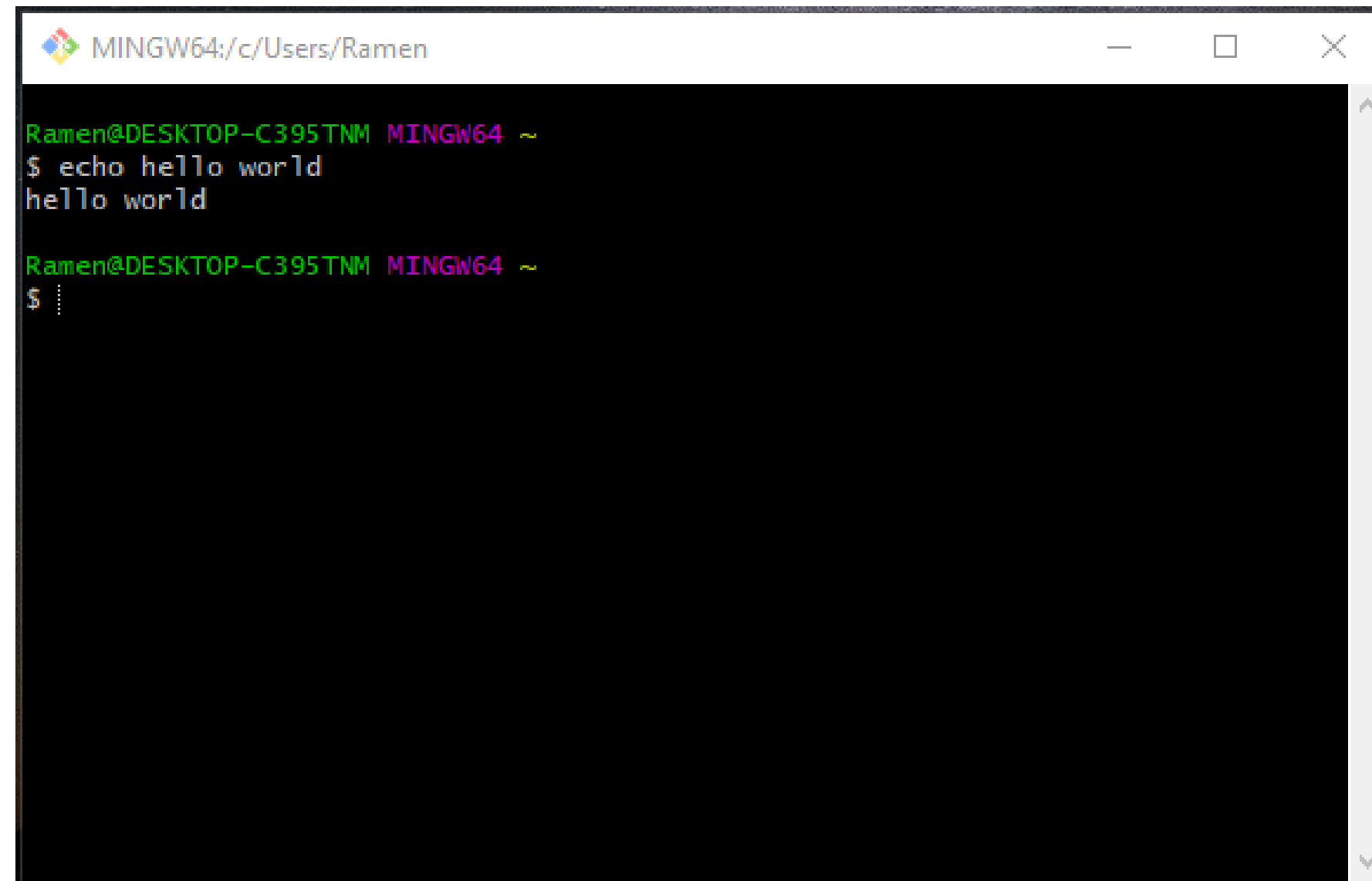
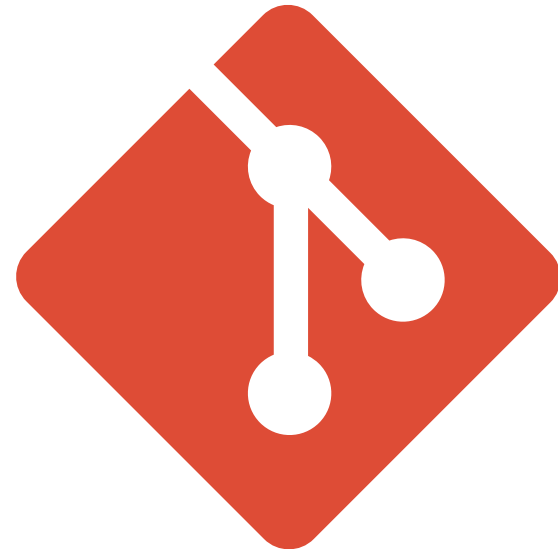
- `apt-get install git`
- `yum install git`

Instalación para MacOS

- uso de homebrew

Gestión de código fuente a través de software de control de versiones.

Luego de instalar, en Windows se debe buscar: git bash

A screenshot of a MINGW64 terminal window. The title bar shows 'MINGW64:/c/Users/Ramen'. The terminal content shows a user named 'Ramen' at a prompt, typing 'echo hello world' and receiving the output 'hello world'. The prompt then changes to 'Ramen@DESKTOP-C395TNM MINGW64 ~' and the user types '\$', which results in a vertical ellipsis '...' being displayed.

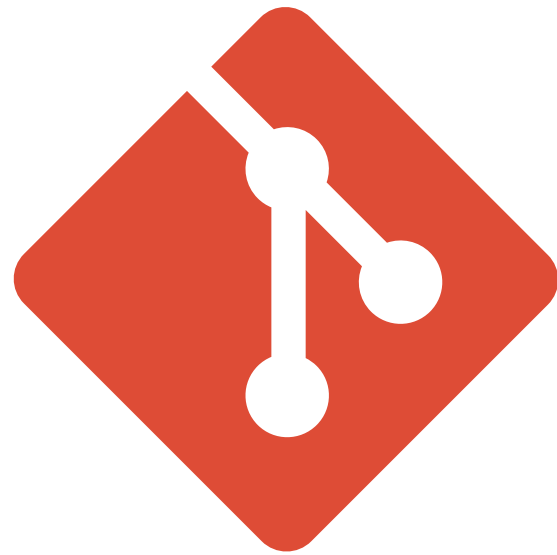
```
MINGW64:/c/Users/Ramen

Ramen@DESKTOP-C395TNM MINGW64 ~
$ echo hello world
hello world

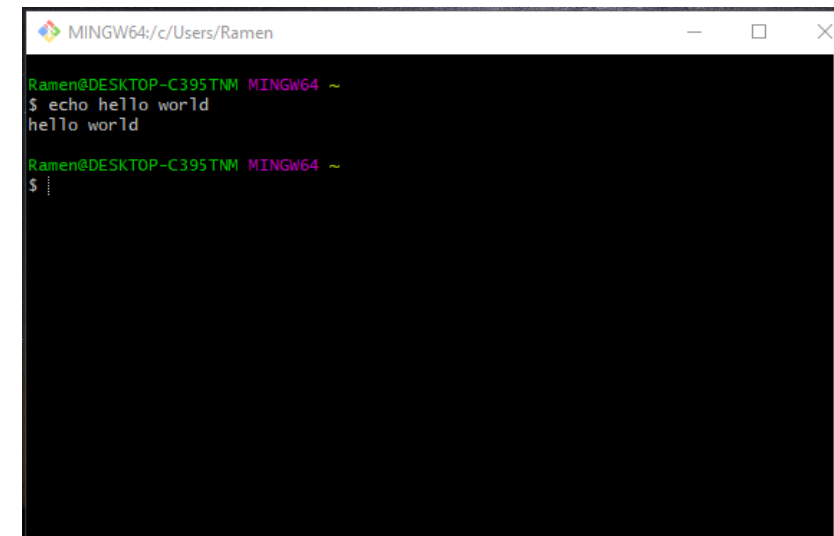
Ramen@DESKTOP-C395TNM MINGW64 ~
$
...
```

Gestión de código fuente a través de software de control de versiones.

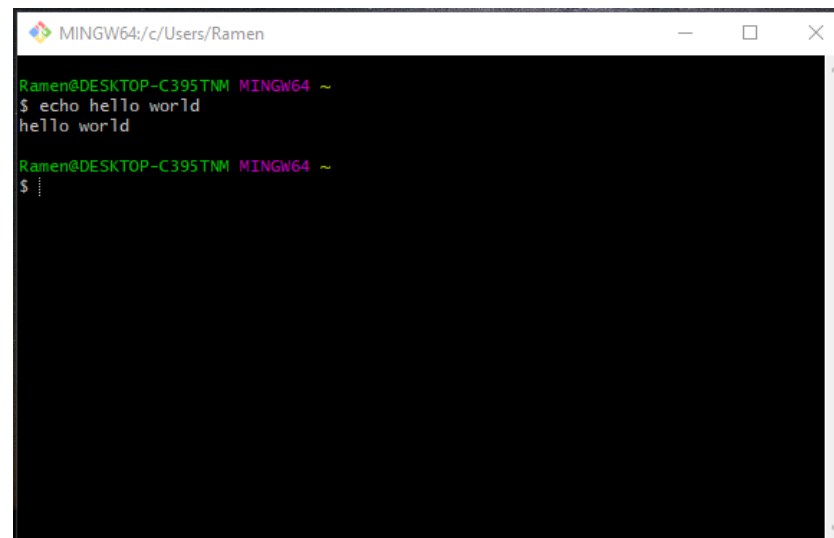
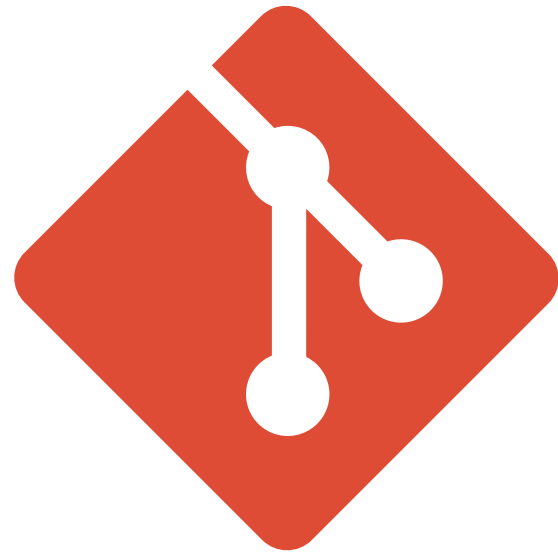
Comandos globales antes de empezar a trabajar (una sola vez):



- `git config --global user.name "John Doe"`
- `git config --global user.email johndoe@example.com`

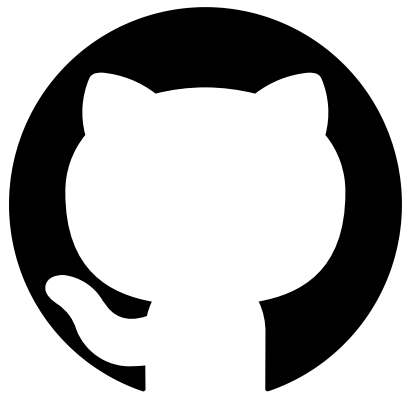
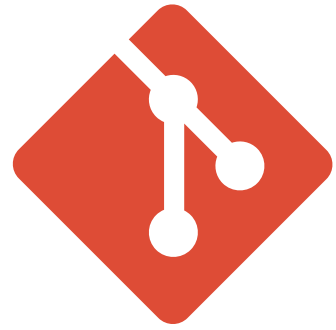
A screenshot of a Windows terminal window titled 'MINGW64/c/Users/Ramen'. The prompt is 'Ramen@DESKTOP-C395TMM MINGW64 ~'. The user has entered the command '\$ echo hello world' and the output 'hello world' is displayed. The prompt is now '\$ '.

Comandos

A screenshot of a terminal window titled 'MINGW64: c:/Users/Ramen'. The prompt is 'Ramen@DESKTOP-C395TNM MINGW64 ~'. The user enters '\$ echo hello world' and the output is 'hello world'. The prompt is then '\$ '.

- git clone [dirección del repositorio]
- git add .
- git commit -a -m"mensaje"
- git push
- git status
- git pull [actualizar cambios que está en el servidor]

Gestión de código fuente a través de software de control de versiones.



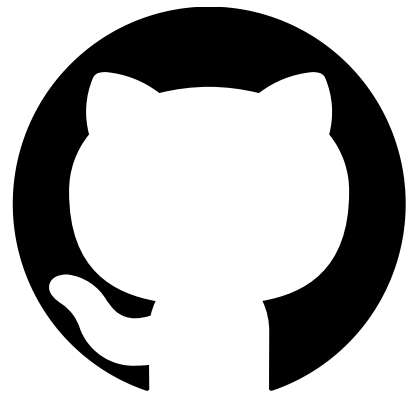
GitHub

GitHub es una plataforma de desarrollo colaborativo para alojar proyectos utilizando el sistema de control de versiones Git.

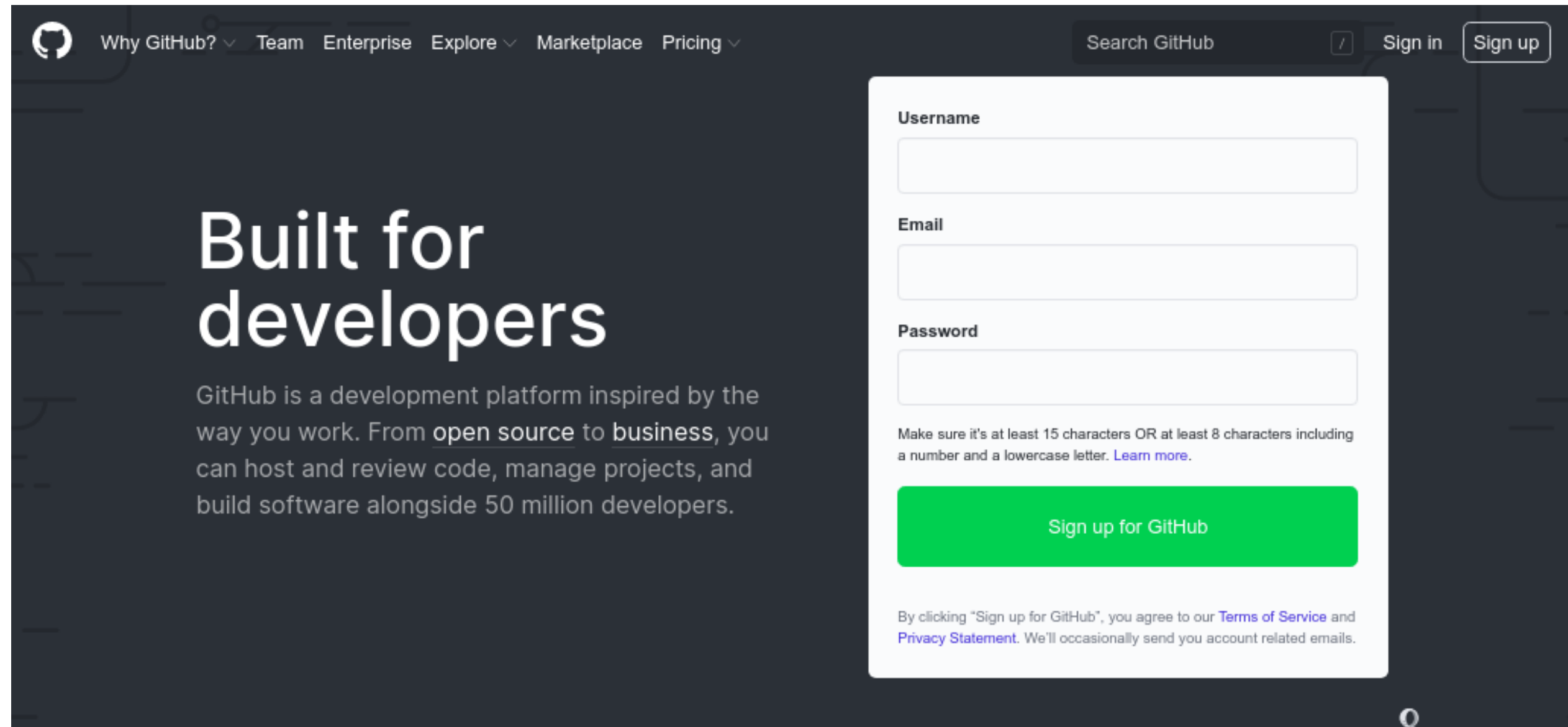
<https://es.wikipedia.org/wiki/GitHub>

Gestión de código fuente a través de software de control de versiones.

<https://github.com/>



GitHub



The screenshot shows the GitHub homepage with a dark background. The main heading is "Built for developers". Below it, a paragraph describes GitHub as a development platform. On the right, there is a sign-up form with fields for Username, Email, and Password. A green button labeled "Sign up for GitHub" is at the bottom of the form. The top navigation bar includes links for Why GitHub?, Team, Enterprise, Explore, Marketplace, and Pricing, along with a search bar and sign-in/sign-up buttons.

Why GitHub? Team Enterprise Explore Marketplace Pricing

Search GitHub / Sign in Sign up

Built for developers

GitHub is a development platform inspired by the way you work. From open source to business, you can host and review code, manage projects, and build software alongside 50 million developers.

Username

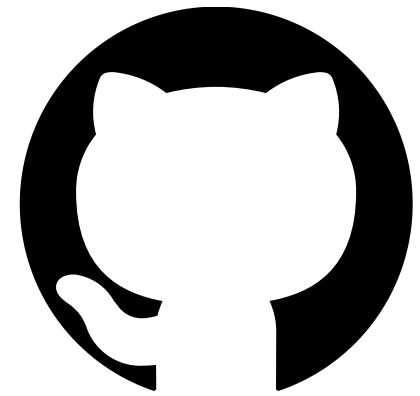
Email

Password

Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter. [Learn more](#).

Sign up for GitHub

By clicking "Sign up for GitHub", you agree to our [Terms of Service](#) and [Privacy Statement](#). We'll occasionally send you account related emails.

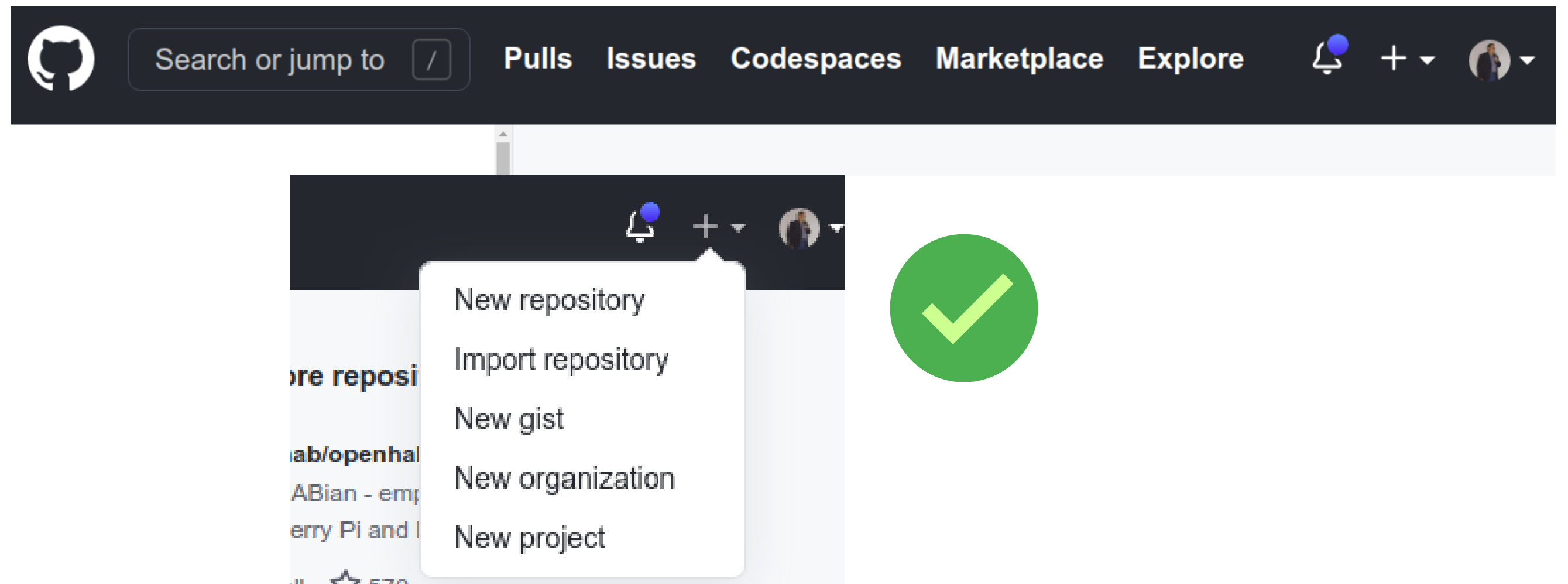


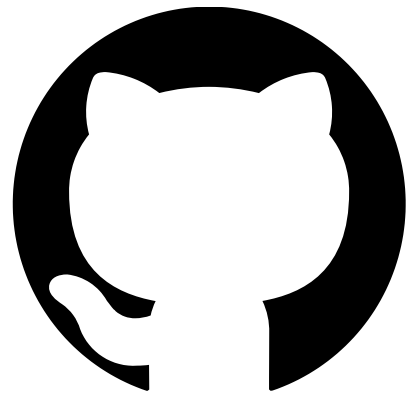
GitHub

Gestión de código fuente a través de software de control de versiones.

<https://github.com/>

1. crear un proyecto





GitHub

Gestión de código fuente a través de software de control de versiones.

<https://github.com/>

1. Agregar la información que se solicita.

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Repository template

Start your repository with a template repository's contents.

No template →

Owner *

Repository name *

heroes →

/

Great repository names are short and memorable. Need inspiration? How about [ideal-winner?](#)

Description (optional)

☒ **Public**

Anyone on the Internet can see this repository. You choose who can commit.

☐ **Private**

You choose who can see and commit to this repository.

Initialize this repository with:

Skip this step if you're importing an existing repository.

☐ **Add a README file**

This is where you can write a long description for your project. [Learn more.](#)

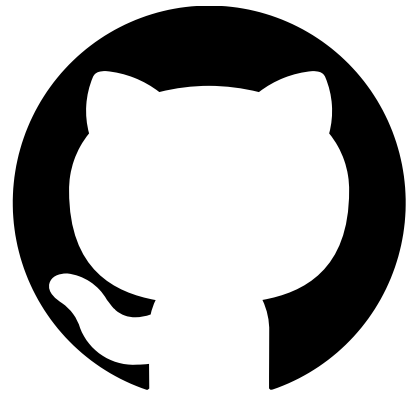
☐ **Add .gitignore**

Choose which files not to track from a list of templates. [Learn more.](#)

☐ **Choose a license**

A license tells others what they can and can't do with your code. [Learn more.](#)

Create repository




GitHub

Gestión de código fuente a través de software de control de versiones.

<https://github.com/>


1. Agregar la información que se solicita.


Owner * Repository name *

 IntroProgramacion-P-Oct20-Feb21 ▾ / clase02-demo ✓

Great repository names are short and memorable. Need inspiration? How about **congenial-goggles?**

Description (optional)

☐  **Public**
Anyone on the internet can see this repository. You choose who can commit.


☒  **Private**
You choose who can see and commit to this repository.

Initialize this repository with:
Skip this step if you're importing an existing repository.

☒ **Add a README file**
This is where you can write a long description for your project. [Learn more.](#)

☐ **Add .gitignore**
Choose which files not to track from a list of templates. [Learn more.](#)

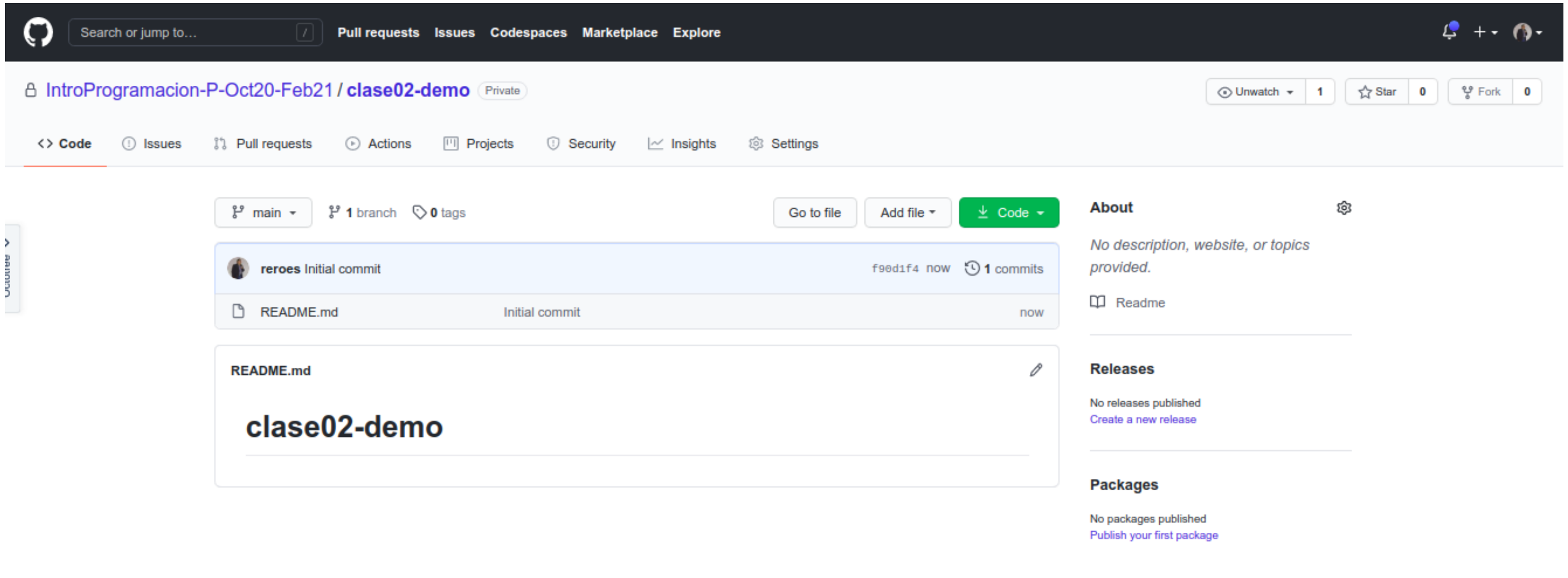
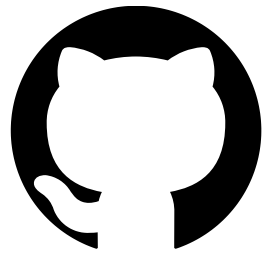
☐ **Choose a license**
A license tells others what they can and can't do with your code. [Learn more.](#)

This will set  **main** as the default branch. Change the default name in IntroProgramacion-P-Oct20-Feb21's [settings](#).

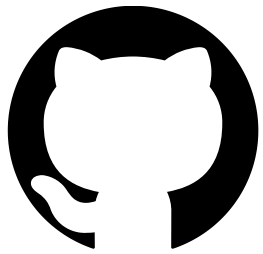
[Create repository](#)

Gestión de código fuente a través de software de control de versiones.

<https://github.com/>

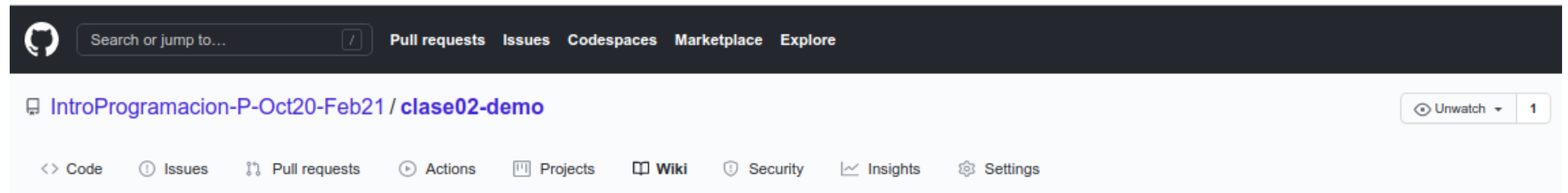


The screenshot shows a GitHub repository page. At the top, there's a dark navigation bar with the GitHub logo, a search bar, and links for Pull requests, Issues, Codespaces, Marketplace, and Explore. Below this, the repository name 'IntroProgramacion-P-Oct20-Feb21 / clase02-demo' is displayed, along with a 'Private' label and buttons for Unwatch, Star (0), and Fork (0). A secondary navigation bar contains links for Code, Issues, Pull requests, Actions, Projects, Security, Insights, and Settings. The main content area shows the 'main' branch with 1 branch and 0 tags. It lists a commit by 'reroes' with the message 'Initial commit' and a file 'README.md' also labeled 'Initial commit'. The README content is visible, showing the title 'clase02-demo'. On the right, there are sections for 'About' (no description), 'Releases' (no releases published), and 'Packages' (no packages published).



Gestión de código fuente a través de software de control de versiones.

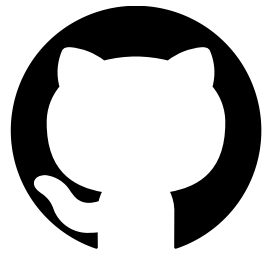
<https://github.com/>



Welcome to the clase02-demo wiki!

Wikis provide a place in your repository to lay out the roadmap of your project, show the current status, and document software better, together.

Create the first page



Gestión de código fuente a través de software de control de versiones.

<https://github.com/>

[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

Create new page

Consulta sobre declaración de variables

Write

Preview

h1

h2

h3

B

i

<>

Edit mode:

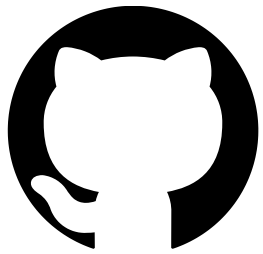
Markdown

```
## Nombre
### René Elizalde
* Primer ciclo
* Paralelo A
* Introducción a la programación
```

Save Page

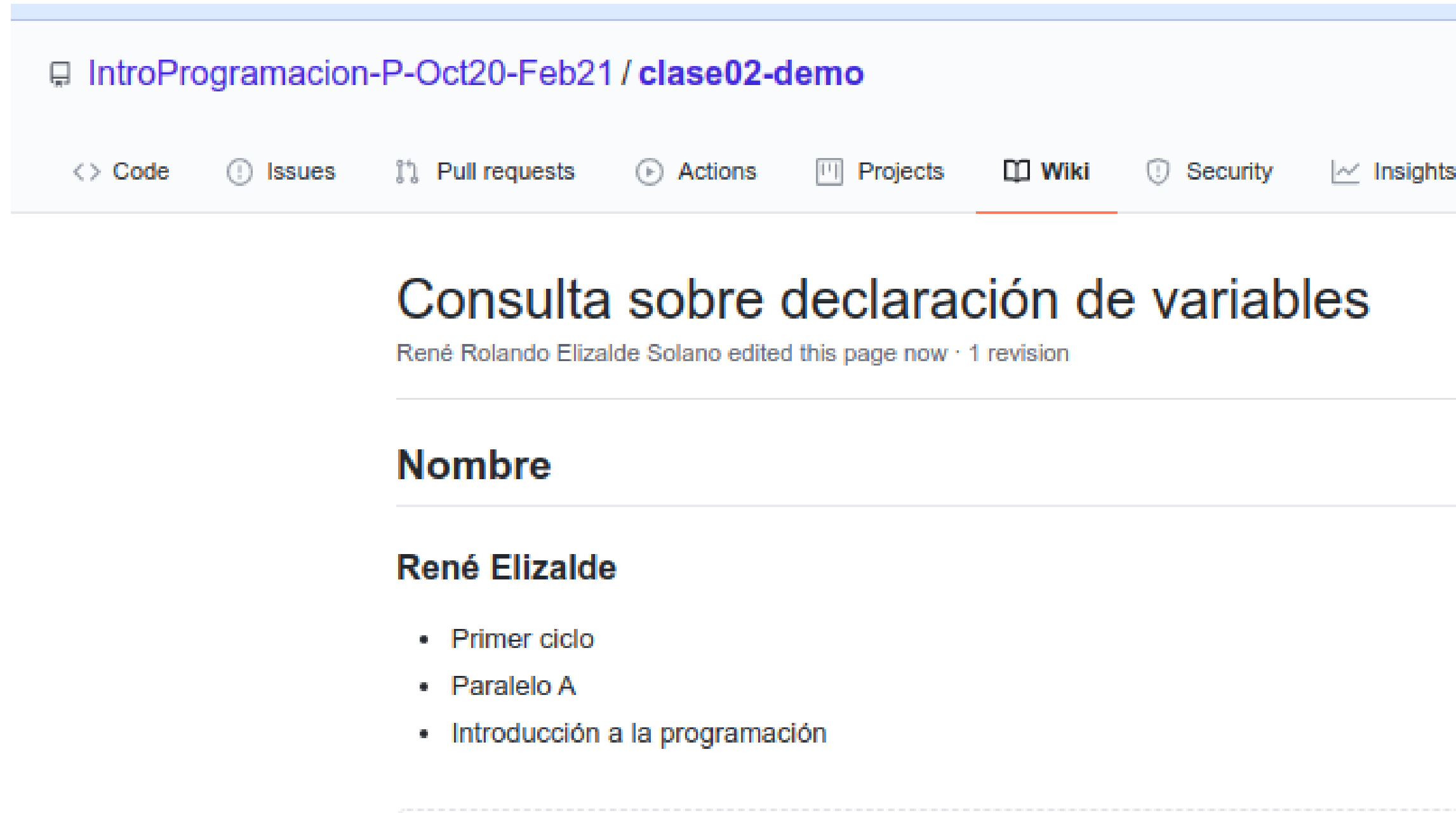
Nombre
René Elizalde
* Primer ciclo
* Paralelo A
* Introducción a la programación

- <https://github.com/adam-p/markdown-here/wiki/Markdown-Cheatsheet>



Gestión de código fuente a través de software de control de versiones.

<https://github.com/>



Nombre
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Gracias

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@ r e r o e s