

# Mini Tutorial : Código de SoloLearn a Github

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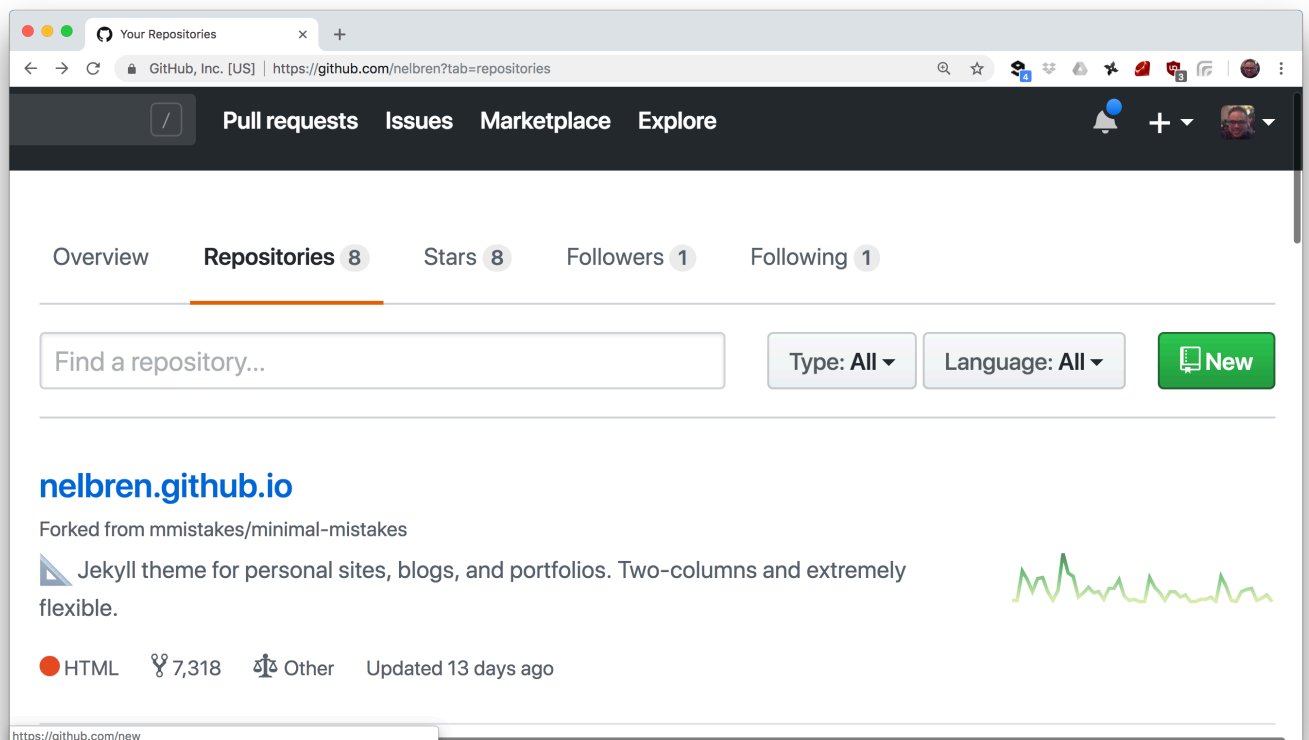
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## 1. Requisitos previos

- Cuentas en:
  - GitHub
  - SoloLearn

## 2. Crear repositorio en Github

- Clickear en **New**



- Escribe el nombre del repositorio **mycodesin\_sololearn** y clickear en **Create repository**

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner: **nelbren** / Repository name: **my\_codes\_in\_sololearn** ✓

Great repository names are short and memorable. Need inspiration? How about **furry-octo-parakeet**.

Description (optional)

☒ **Public**  
Anyone can see this repository. You choose who can commit.

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

☐ **Initialize this repository with a README**  
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None** | Add a license: **None** ⓘ

**Create repository**

- Seleccionar el método de conexión a GitHub **https** o **ssh**

nelbren / my\_codes\_in\_sololearn

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**Quick setup — if you've done this kind of thing before**

Set up in Desktop or HTTPS SSH `git@github.com:nelbren/my_codes_in_sololearn.git`

We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

**...or create a new repository on the command line**

```
echo "# my_codes_in_sololearn" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin git@github.com:nelbren/my_codes_in_sololearn.git
git push -u origin master
```

**...or push an existing repository from the command line**

```
git remote add origin git@github.com:nelbren/my_codes_in_sololearn.git
git push -u origin master
```

**...or import code from another repository**

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.

[Import code](#)

**NOTA:** En el caso de un proyecto propio, aconsejo usar **ssh** con el uso de llaves pública y privada.

Al usar https, al obtener cambios del repositorio no se requiere contraseña. Solo es requerida cuando se envíen cambios al repositorio.

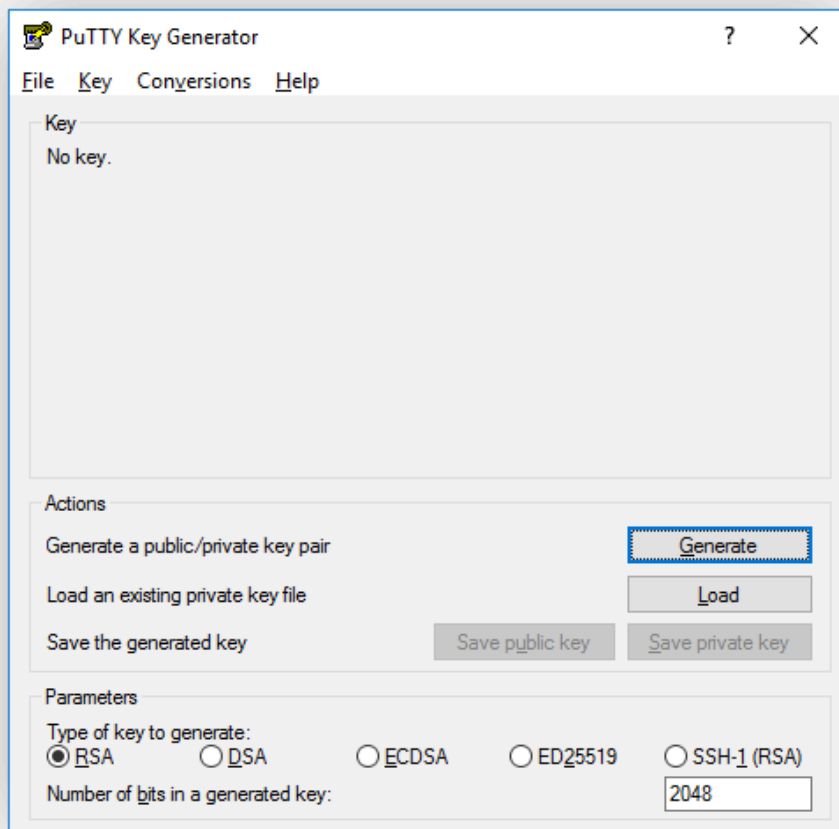
### 3. Configurar llave pública y privada

- Crear llaves usando linea de comando (Linux o MAC)

```
ssh-keygen -t dsa
```

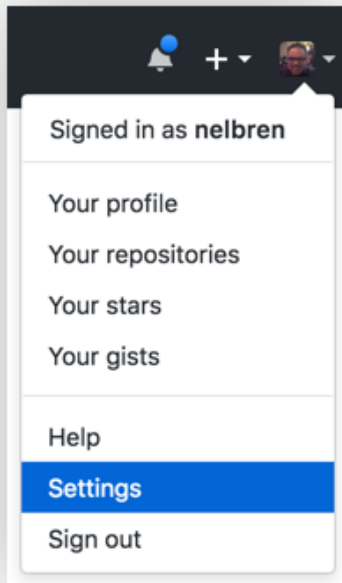
Bash

- Crear llaves usando PuTTYgen (Windows)

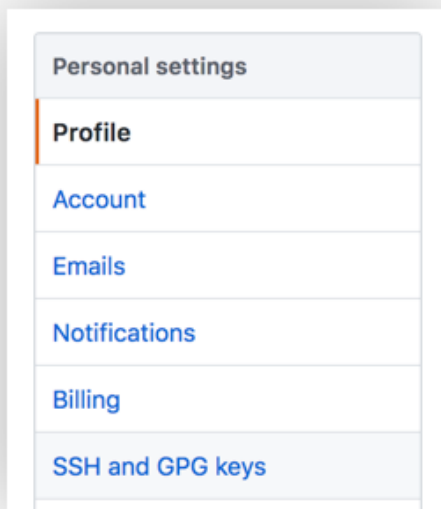


Ver instrucciones en [PUTTYGEN - KEY GENERATOR FOR PUTTY ON WINDOWS](#)

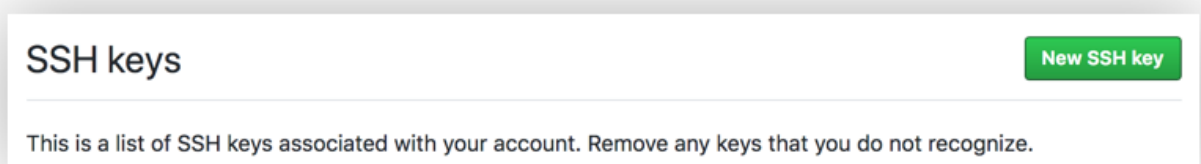
- Asignar llave publica a Github
  - Clickear en **Settings**



- Clicker en **SSH and GPG keys**



- Clicker en **New SSH key**



- 
- ```

2. nelbren@MBP01-5: ~ (zsh)
nelbren@MBP01-5 ~$ cat .ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQACAjTNTTzsdE8B3Kqwg3KAdFUAQJH2JbmJrgvxFBxupfA
manDQ14hYlKz...
nelbren@MBP01-5 ~$

```

- ## SSH keys / Add new


Title

MPB01

Key

```
ssh-rsa
AAAAE3PwUAC7y32EAAAACQ9Q8AAABQOC3[HT]uEE3uRgwjSAACUANOQC.Bm9jaWw/F3ougEame
rR354Bh/LKxKCHXk/pjOCXF4NYLa2N64DvHq2BdPKaCpYKOfny/APTZaETyIBNM5URRjXkllpwc3ns
ZRXkPHQI/TuRkasshC55SeSATELTBinOvBj5M2YABDji=iiC6RRB7hcg3KjellxawR75grsE39uCY
dDv2nE7uPSvBFwTtETXIDmV52uAC/LRzjQmneJA/uu3uRwPPuL7E4Domi=nQICDUnJd5uRMS4T
Bubk2TNTSPNNwZamRnsZxk13fKaUwvC/2kZ5Bawf7MwRwYNE3ijLKny nelbren@MPB01.local
```

Add SSH key



Confirm password to continue

Password [Forgot password?](#)

Confirm password

## 4. Subir archivos al repositorio

---

- Por primera vez - [v0.0.1](#)

```
git init
git add .
git commit -m "Mi primera vez!"
git remote add origin git@github.com:nelbren/my_codes_in_sololearn.git
git push -u origin master
```

Bash

```

3. nelbren@npro-vps-01: ~/my_codes_in_sololearn (ssh)
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ ls
heart.rb          shift_cipher.c.bin  shift_cipher.php    shift_cipher.rb
shift_cipher.c    shift_cipher.c_compile.bash  shift_cipher.py    string_rotations.rb
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ git init
Initialized empty Git repository in /home/nelbren/my_codes_in_sololearn/.git/
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ git add .
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ git commit -m "Mi primera vez!"
[master (root-commit) 3bc139e] Mi primera vez!
 8 files changed, 126 insertions(+)
 create mode 100755 heart.rb
 create mode 100644 shift_cipher.c
 create mode 100755 shift_cipher.c.bin
 create mode 100755 shift_cipher.c_compile.bash
 create mode 100755 shift_cipher.php
 create mode 100755 shift_cipher.py
 create mode 100755 shift_cipher.rb
 create mode 100755 string_rotations.rb
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ git remote add origin git@github.com:nelbren/
my_codes_in_sololearn.git
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ git push -u origin master
Counting objects: 10, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (10/10), done.
Writing objects: 100% (10/10), 4.68 KiB | 0 bytes/s, done.
Total 10 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:      https://github.com/nelbren/my_codes_in_sololearn/pull/new/master
remote:
To git@github.com:nelbren/my_codes_in_sololearn.git
 * [new branch]      master -> master
Branch master set up to track remote branch master from origin.
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$

```

- Por segunda vez - [v0.0.2](#)

```

git status
echo shift_cipher.c.bin > .gitignore
git add .
git commit -m "Update to v0.0.2"
git push

```

Bash

```

3. nelbren@npro-vps-01: ~/my_codes_in_sololearn (ssh)
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ grep 0.0.2 *
heart.rb:# heart.ruby v0.0.2
shift_cipher.c:/* shift_cipher_v0.0.2.c
shift_cipher.rb:# shift_cipher_v0.0.2.rb
string_rotations.rb:# string_rotations_v0.0.2.rb
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   heart.rb
        modified:   shift_cipher.c
        modified:   shift_cipher.rb
        modified:   string_rotations.rb

no changes added to commit (use "git add" and/or "git commit -a")
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ echo shift_cipher.c.bin > .gitignore
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ git add .
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ git commit -m "Update to v0.0.2"
[master d32be70] Update to v0.0.2
 5 files changed, 28 insertions(+), 51 deletions(-)
 create mode 100644 .gitignore
 rewrite shift_cipher.c (62%)
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ git push
Counting objects: 7, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (6/6), done.
Writing objects: 100% (7/7), 1.02 KiB | 0 bytes/s, done.
Total 7 (delta 3), reused 0 (delta 0)
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To git@github.com:nelbren/my_codes_in_sololearn.git
 3bc139e..d32be70 master -> master
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$

```

- Por tercera vez - [v0.0.3](#)

```

rm shift_cipher.c.bin
git status
git add .
git commit -m "Update to v0.0.3"
git push

```

Bash



```

3. nelbren@npro-vps-01: ~/my_codes_in_sololearn (ssh)
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ rm shift_cipher.c.bin
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   heart.rb
        deleted:    shift_cipher.c.bin
        modified:   shift_cipher.rb
        modified:   string_rotations.rb

no changes added to commit (use "git add" and/or "git commit -a")
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ git add .
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ grep 0.0.3 *
heart.rb:# heart.ruby v0.0.3
shift_cipher.rb:# shift_cipher_v0.0.3.rb
string_rotations.rb:# string_rotations_v0.0.3.rb
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ git commit -m "Update to v0.0.3"
[master 80414f9] Update to v0.0.3
 4 files changed, 10 insertions(+), 14 deletions(-)
 delete mode 100755 shift_cipher.c.bin
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$ git push
Counting objects: 5, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 611 bytes | 0 bytes/s, done.
Total 5 (delta 3), reused 0 (delta 0)
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To git@github.com:nelbren/my_codes_in_sololearn.git
 d32be70..80414f9  master -> master
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$
[nelbren@npro-vps-01:~/my_codes_in_sololearn]$

```

## 5. Resultados de cambios

- [Github](#) (control de versiones) versus [SoloLearn](#) (ambiente de ejecución)

| Versión                                     | Github                                      | SoloLearn                                  | Lenguaje | Descripción                          |
|---------------------------------------------|---------------------------------------------|--------------------------------------------|----------|--------------------------------------|
| <a href="#">0.0.1</a>                       | <a href="#">heart.rb</a>                    | <a href="#">heart.rb_v0.0.1</a>            | Ruby     | DisplayAHeart-FirstTry!              |
|                                             | <a href="#">shift_cipher.c</a>              | <a href="#">shift_cipher_v0.0.1.c</a>      | C        | UseShiftCipherIn28lines              |
|                                             | <a href="#">shift_cipher.c_compile.bash</a> | -                                          | Bash     | Bash4CompileCProgram                 |
|                                             | <a href="#">shift_cipher.php</a>            | <a href="#">shift_cipher_v0.0.1.php</a>    | PHP      | UseShiftCipherIn13lines              |
|                                             | <a href="#">shift_cipher.py</a>             | <a href="#">shift_cipher_v0.0.1.py</a>     | Python   | UseShiftCipherIn10lines              |
|                                             | <a href="#">shift_cipher.rb</a>             | <a href="#">shift_cipher_v0.0.1.rb</a>     | Ruby     | UseShiftCipherIn20lines              |
|                                             | <a href="#">string_rotations.rb</a>         | <a href="#">string_rotations_v0.0.1.rb</a> | Ruby     | UsingSubstring                       |
| <a href="#">0.0.2</a> <a href="#"> diff</a> | <a href="#">heart.rb</a>                    | <a href="#">heart.rb_v0.0.2</a>            | Ruby     | DisplayAHeart-UseShortenedIf!        |
|                                             | <a href="#">shift_cipher.c</a>              | <a href="#">shift_cipher_v0.0.2.c</a>      | C        | UseTernaryOperatorIn15lines          |
|                                             | <a href="#">shift_cipher.rb</a>             | <a href="#">shift_cipher_v0.0.2.rb</a>     | Ruby     | UseTernaryOperatorIn13lines          |
|                                             | <a href="#">string_rotations.rb</a>         | <a href="#">string_rotations_v0.0.2.rb</a> | Ruby     | UsingRotate                          |
| <a href="#">0.0.3</a> <a href="#"> diff</a> | <a href="#">heart.rb</a>                    | <a href="#">heart.rb_v0.0.3</a>            | Ruby     | DisplayAHeart-UseShortBlocks1        |
|                                             | <a href="#">shift_cipher.rb</a>             | <a href="#">shift_cipher_v0.0.3.rb</a>     | Ruby     | UseShorthandOperIn11lines            |
|                                             | <a href="#">string_rotations.rb</a>         | <a href="#">string_rotations_v0.0.3.rb</a> | Ruby     | UsingRegex                           |
| <a href="#">0.0.4</a> <a href="#"> diff</a> | <a href="#">heart.rb</a>                    | <a href="#">heart.rb_v0.0.4</a>            | Ruby     | DisplayAHeart-UseShortBlocks2        |
|                                             | <a href="#">shift_cipher.rb</a>             | <a href="#">shift_cipher_v0.0.4.rb</a>     | Ruby     | UseBracketSyntaxIn7lines             |
|                                             | <a href="#">string_rotations.rb</a>         | <a href="#">string_rotations_v0.0.4.rb</a> | Ruby     | UsingSubstringAndOnlyOneAssing       |
| <a href="#">0.0.5</a> <a href="#"> diff</a> | <a href="#">heart.rb</a>                    | <a href="#">heart.rb_v0.0.5</a>            | Ruby     | DisplayAHeart-UseCase2Array          |
|                                             | <a href="#">string_rotations.rb</a>         | <a href="#">string_rotations_v0.0.5.rb</a> | Ruby     | UsingSubstringAndOnlyOneAssingInside |
| <a href="#">0.0.6</a> <a href="#"> diff</a> | <a href="#">heart.rb</a>                    | <a href="#">heart.rb_v0.0.6</a>            | Ruby     | DisplayAHeart-UseMultipleAssign      |
|                                             | <a href="#">string_rotations.rb</a>         | <a href="#">string_rotations_v0.0.6.rb</a> | Ruby     | UsingAnCustomFunction                |
| <a href="#">0.0.7</a> <a href="#"> diff</a> | <a href="#">heart.rb</a>                    | <a href="#">heart.rb_v0.0.7</a>            | Ruby     | DisplayAHeart-GlobalVarsToLocal      |
| <a href="#">0.0.8</a> <a href="#"> diff</a> | <a href="#">heart.rb</a>                    | <a href="#">heart.rb_v0.0.8</a>            | Ruby     | DisplayAHeart-Array2NewAssign"       |
| <a href="#">0.0.9</a> <a href="#"> diff</a> | <a href="#">heart.rb</a>                    | <a href="#">heart.rb_v0.0.9</a>            | Ruby     | DisplayAHeart-ReplaceIfForTwolf      |

Hecho con ❤️ por Martin Nelbren Cuellar