


Trabajo Práctico 1 - Git Básico

Desarrollo:



1- Instalar Git

```
pedrofernandez — -zsh — 80x24
Last login: Tue Aug  8 16:01:59 on ttys000
[pedrofernandez@MacBook-Air-de-Pedro ~ % git -v
git version 2.39.2 (Apple Git-143)
pedrofernandez@MacBook-Air-de-Pedro ~ % ]
```

2- Crear un repositorio local y agregar archivos

 Ing_SWIII Public Pin Unwatch 1

main 1 branch 0 tags Go to file Add file Code

Pedro Fernández and Pedro Fernández cambios		dfc4f05 last week	🕒 2 commits
	.gitignore	cambios	last week
	README.md	Initial commit	last week

README.md

Ing_SWIII

Repositorio de prueba trabajo practico Ing de Software III

4- Creación de Repos 01 -> Crearlo en GitHub, clonarlo localmente y subir cambios



Pedro Fernández cambios

Code

Blame

2 lines (1 loc) · 7 Bytes

1 *.bak

```
Last login: Tue Aug  8 16:09:57 on ttys000
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII %
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII %
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % ls
README.md
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git add .
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git commit -m "Cambios"
[main c426d5a] Cambios
  Committer: Pedro Fernández <pedrofernandez@MacBook-Air-de-Pedro.local>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit


After doing this, you may fix the identity used for this commit with:



    git commit --amend --reset-author




1 file changed, 1 insertion(+), 1 deletion(-)
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 330 bytes | 330.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/pedrofernandezmz/Ing_SWIII.git
   dfc4f05..c426d5a  main -> main
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII %
```

5- Creación de Repos 02-> Crearlo localmente y subirlo a GitHub



 **Ing_SWIII_repo02** Public

 Pin  Unwatch **1**

 main  1 branch  0 tags

[Go to file](#) [Add file](#) [Code](#)

Pedro Fernández and Pedro Fernández cambios repo 02 11140c9 last week 1 commit

 .gitignore	cambios repo 02	last week
 README.md	cambios repo 02	last week

README.md

Este es el ejercicio de Ing de software III

```
Last login: Tue Aug  8 16:14:58 on ttys000
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII_repo02 %
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII_repo02 %
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII_repo02 %
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII_repo02 % ls
README.md      README.md.bak
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII_repo02 % nano README.md
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII_repo02 % git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII_repo02 % git add .
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII_repo02 % git commit -m "cambios repo 2"
[main cdf715b] cambios repo 2
  Committer: Pedro Fernández <pedrofernandez@MacBook-Air-de-Pedro.local>
  Your name and email address were configured automatically based
  on your username and hostname. Please check that they are accurate.
  You can suppress this message by setting them explicitly. Run the
  following command and follow the instructions in your editor to edit
  your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

  1 file changed, 1 insertion(+)
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII_repo02 % git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 379 bytes | 379.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/pedrofernandezmz/Ing_SWIII_repo02.git
  11140c9..cdf715b  main -> main
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII_repo02 % git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII_repo02 %
```

6- Ramas

```
[pedrofernandez@MacBook-Air-de-Pedro Ing de Software III % cd Ing_SWIII
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % ls
README.md
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % ls
README.md
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git checkout -b nueva-rama
Switched to a new branch 'nueva-rama'
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % nano README.md
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git add .
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git commit -m "Cambio en nueva rama"
[nueva-rama 15e5eef] Cambio en nueva rama
Committer: Pedro Fernández <pedrofernandez@MacBook-Air-de-Pedro.local>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 1 insertion(+)
pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git diff main nueva-rama

diff --git a/README.md b/README.md
index 63cfc00..4e74c02 100644
--- a/README.md
+++ b/README.md
@@ -1,2 +1,3 @@
# Ing_SWIII
Repositorio de prueba trabajo practico Ing de Software III...
+CAMBIOS EN NUEVA RAMA
pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII %
```

7- Merges

```
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git merge nueva-rama
Updating c426d5a..15e5eef
Fast-forward
 README.md | 1 +
1 file changed, 1 insertion(+)
pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git branch -d nueva-rama

Deleted branch nueva-rama (was 15e5eef).
pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git log --oneline

15e5eef (HEAD -> main) Cambio en nueva rama
c426d5a (origin/main, origin/HEAD) Cambios
dfc4f05 cambios
1facd39 Initial commit
pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII %
```

```

[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git checkout otra-rama
M      README.md
Switched to branch 'otra-rama'
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git add .
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git commit -m "Cambios rama2"
[otra-rama 3c489d0] Cambios rama2
Committer: Pedro Fernández <pedrofernandez@MacBook-Air-de-Pedro.local>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 1 insertion(+)
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git merge --no-ff otra-rama
Merge made by the 'ort' strategy.
 README.md | 1 +
1 file changed, 1 insertion(+)
pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII %

```

8- Resolución de Conflictos

```

[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git checkout main
M      README.md
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 3 commits.
(use "git push" to publish your local commits)
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % nano README.md
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git difftool main conflictBranch

[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git checkout main
M      README.md
Already on 'main'
Your branch is ahead of 'origin/main' by 3 commits.
(use "git push" to publish your local commits)
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git add .
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git commit -m "main"
[main af2c553] main
Committer: Pedro Fernández <pedrofernandez@MacBook-Air-de-Pedro.local>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

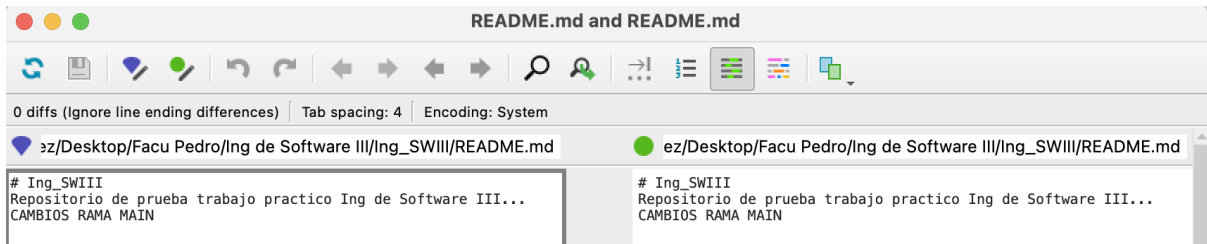
    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 1 insertion(+), 2 deletions(-)
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git checkout conflictBranch
Switched to branch 'conflictBranch'
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git add .
[pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git commit -m "Cambios ramaconflicto"
On branch conflictBranch
nothing to commit, working tree clean
pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git difftool main conflictBranch

```



9- Familiarizarse con el concepto de Pull Request

Un Pull Request (PR), también conocido como solicitud de extracción, es un proceso comúnmente utilizado en sistemas de control de versiones, como Git y GitHub, para facilitar la colaboración y revisión de código entre desarrolladores. A través de un PR, un desarrollador propone los cambios que ha realizado en su rama y solicita que esos cambios se fusionen en otra rama, como la rama principal.

```
pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII % git add Readme.md
git commit -m "Resolución de conflicto en Readme.md"
[git push origin main
On branch main
Your branch is ahead of 'origin/main' by 4 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
Enumerating objects: 12, done.
Counting objects: 100% (12/12), done.
Delta compression using up to 8 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (10/10), 1.03 KiB | 1.03 MiB/s, done.
Total 10 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/pedrofernandezmz/Ing_SWIII.git
   c426d5a..af2c553  main -> main
pedrofernandez@MacBook-Air-de-Pedro Ing_SWIII %
```

11- Crear Repositorio de la materia

