



27 DE OCTUBRE DE 2021

## EJERCICIO - GIT

WEB SERVICES

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## Práctica GIT.

### 1. Investigar dos comandos no vistos en clase:

- `git branch -M nombreRama`. Renombra la rama actual por el nombre indicado en nombreRama.
- `git log`. Visualiza los commits realizados.

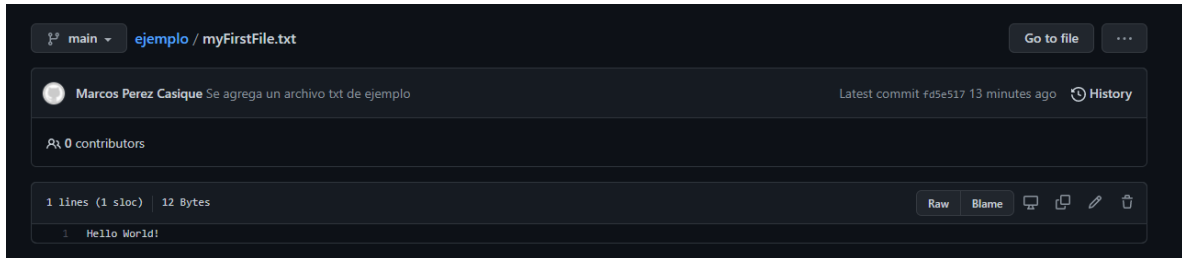
### 2. Investigar Git Fork y cómo funciona.

Una bifurcación es una copia aproximada de un repositorio. La bifurcación de un repositorio le permite probar y depurar libremente con cambios sin afectar el proyecto original.

¿Bifurcar o clonar un repositorio?

Es importante remarcar que los repositorios "forked" y "forking" no son operaciones especiales. Los repositorios bifurcados se crean utilizando el comando *git clone* estándar. Los repositorios bifurcados son generalmente "clones del lado del servidor" y generalmente administrados y alojados por un servicio de Git de terceros como Bitbucket o Github. No existe un comando de Git único para crear repositorios bifurcados. Una operación de clonación es esencialmente una copia de un repositorio y su historial.

Crear un archivo de texto con la investigación realizada y subirla a su repositorio en GitHub utilizando los pasos mencionados en clase y a través de un pull request (puede ser un PR a Master solo en esta ocasión).



main ejemplo / myFirstFile.txt Go to file ...

Marcos Perez Casique Se agrega un archivo txt de ejemplo Latest commit fd5e517 13 minutes ago History

0 contributors

1 lines (1 sloc) 12 Bytes Raw Blame

```
1 Hello World!
```



Develop ejemplo / myFirstFile.txt Go to file ...

Marcos Perez Casique Se agrega un comentario al archivo existente Latest commit cdc527a 3 minutes ago History

0 contributors

3 lines (2 sloc) 36 Bytes Raw Blame

```
1 Hello World!
2
3 I'm in develop branch!
```

Tras el merge y push:



main ejemplo / myFirstFile.txt Go to file ...

Marcos Perez Casique Se agrega un comentario al archivo existente Latest commit cdc527a 4 minutes ago History

0 contributors

3 lines (2 sloc) 36 Bytes Raw Blame

```
1 Hello World!
2
3 I'm in develop branch!
```

## Comandos utilizados:

```
MINGW64/c:/Users/mpercasi/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice
mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice
$ git init
Initialized empty Git repository in C:/Users/mpercasi/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice/.git/

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (master)
$ touch myFirstFile.txt

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    myFirstFile.txt

nothing added to commit but untracked files present (use "git add" to track)

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (master)
$ git add -A

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (master)
$ git commit -m "Se agrega un archivo txt de ejemplo"
[master (root-commit) fd5e517] Se agrega un archivo txt de ejemplo
Committer: Marcos Perez Casique <mpercasi@everis.com>
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(+)
create mode 100644 myFirstFile.txt

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (master)
$ git log
commit fd5e517ff1ac612c5eFa1e0529a165ce04ef2462 (HEAD -> master)
Author: Marcos Perez Casique <mpercasi@everis.com>
Date:   Wed Oct 27 17:37:47 2021 -0500

    Se agrega un archivo txt de ejemplo

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (master)
$ git branch -M main

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (main)
$ git remote add origin https://github.com/mpercasi/ejemplo.git

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 254 bytes | 31.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/mpercasi/ejemplo.git
 * [new branch]    main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (main)
$ git brach
git: 'brach' is not a git command. See 'git --help'.

The most similar command is
    branch
```

```

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (main)
$ git branch
* main

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (main)
$ git checkout -b Develop
Switched to a new branch 'Develop'

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (Develop)
$ git pull
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.

    git pull <remote> <branch>

If you wish to set tracking information for this branch you can do so with:

    git branch --set-upstream-to=origin/<branch> Develop

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (Develop)
$ git pull
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.

    git pull <remote> <branch>

If you wish to set tracking information for this branch you can do so with:

    git branch --set-upstream-to=origin/<branch> Develop

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (Develop)
$ git status
On branch Develop
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:   myFirstFile.txt

no changes added to commit (use "git add" and/or "git commit -a")

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (Develop)
$ git add .

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (Develop)
$ git commit -m "Se agrega un comentario al archivo existente"
[Develop cdc527a] Se agrega un comentario al archivo existente
Committer: Marcos Perez Casique <mpercasi@everis.com>
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, 3 insertions(+), 1 deletion(-)

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (Develop)
$ git push
fatal: The current branch Develop has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin Develop

```

```

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (Develop)
$ git push --set-upstream origin Develop

Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Writing objects: 100% (3/3), 318 bytes | 63.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'Develop' on GitHub by visiting:
remote:   https://github.com/mpercasi/ejemplo/pull/new/Develop
remote:
To https://github.com/mpercasi/ejemplo.git
 * [new branch]      Develop -> Develop
Branch 'Develop' set up to track remote branch 'Develop' from 'origin'.

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (Develop)
$

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (Develop)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

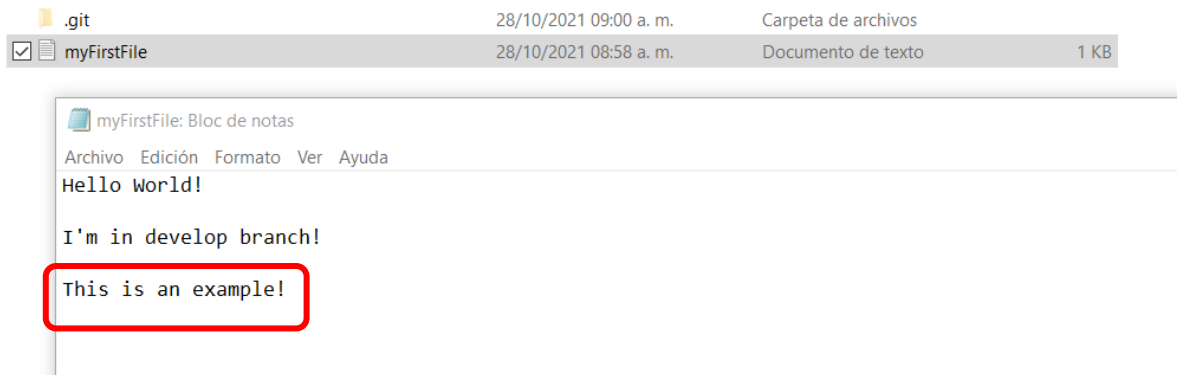
mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (main)
$ git merge Develop
Updating fd5e517..cdc527a
Fast-forward
 myFirstFile.txt | 4 +++-
 1 file changed, 3 insertions(+), 1 deletion(-)

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (main)
$ git push
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/mpercasi/ejemplo.git
 fd5e517..cdc527a main -> main

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (main)
$ |

```

Código extra para el Pull Request:



```

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (main)
$ git checkout develop
Switched to branch 'develop'

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (develop)
$ git status
On branch develop
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:   myFirstFile.txt

no changes added to commit (use "git add" and/or "git commit -a")

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (develop)
$ git add .

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (develop)
$ git commit -m "Se agrega una nueva línea de texto"
[develop db32c10] Se agrega una nueva línea de texto
Committer: Marcos Perez Casique <mpercasi@everis.com>
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, 3 insertions(+), 1 deletion(-)

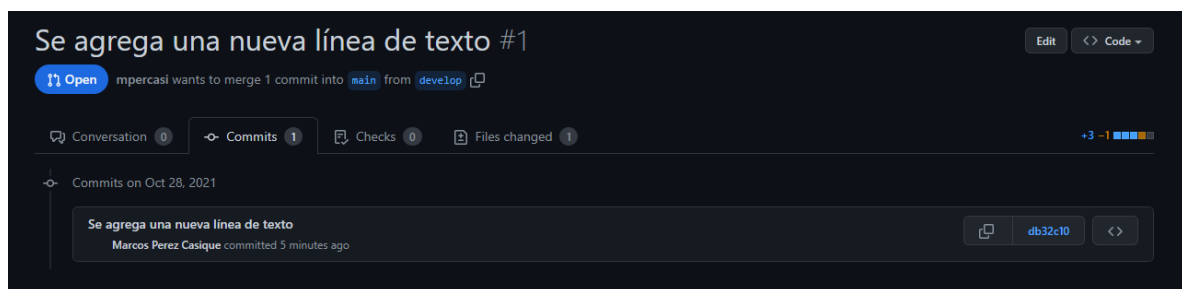
mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (develop)
$ git push
fatal: The current branch develop has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin develop

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (develop)
$ AC

mpercasi@MEX-122JFH2 MINGW64 ~/Desktop/Beca Java Microservicios/SM1/Git/Ejercicios/git_practice (develop)
$ git push --set-upstream origin develop
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 334 bytes | 41.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'develop' on GitHub by visiting:
remote:   https://github.com/mpercasi/ejemplo/pull/new/develop

```



## Comentarios:

Accidentalmente cree una rama llamada “develop”, distinta a la que ya existía. Esta fue con la que se creó el pull request.