

PRÁCTICA 1. Uso de Git y GitHub

Fundamentos Git I

```
MINGW64:/c/Users/Sonia

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~
$ git --version
git version 2.33.0.windows.2

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~
$ |
```

Captura de pantalla con el comando git --version

```
MINGW64:/c/Users/Sonia

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~
$ git --version
git version 2.33.0.windows.2

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~
$ git config --global user.name "Sonia Soriano"

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~
$ git config --global user.email soriano20887@iesmarenostrum.com

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~
$ git config --global core.editor notepad

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~
$ git config --global credential.helper wincred

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~
$
```

Configuración de Git

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S1R1/repo1 (master)
$ git status
On branch master

No commits yet

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

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

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S1R1/repo1 (master)
$ git add libros.txt

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S1R1/repo1 (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   libros.txt

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S1R1/repo1 (master)
$ git commit -m "c) Primer commit"
[master (root-commit) 05da888] c) Primer commit
1 file changed, 3 insertions(+)
create mode 100644 libros.txt

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S1R1/repo1 (master)
$ git status
On branch master
nothing to commit, working tree clean

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S1R1/repo1 (master)
$ |
```

Realización del primer commit

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S1R1/repo1 (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    películas.txt

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

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S1R1/repo1 (master)
$
```

Git status del archivo películas

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S1R1/repo1 (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    deleted:    comidas.txt
    modified:   películas.txt

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

Eliminar comidas.txt y modificar películas

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S1R1/repo1 (master)
$ git add .

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S1R1/repo1 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    deleted:    comidas.txt
    modified:   películas.txt
```

n) cambios añadidos a la zona de preparación

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S1R1/repo1 (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    datos.bak
    output/

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

Nueva creación de archivos y subcarpetas

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S1R1/repo1 (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .gitignore
```

Sonia Soriano Rodríguez
DAW – Desarrollo web en entorno cliente

Una vez creado el archivo .gitignore

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S1R1/repo1 (master)
$ git log
commit 93858ed04548f5716b5554ca4a93eef63c5a8287 (HEAD -> master)
Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
Date: Thu Sep 30 20:17:23 2021 +0200

    Commit gitignore

commit 8b488c02125a8e6e815a70403f7be2de73470394
Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
Date: Thu Sep 30 19:52:46 2021 +0200

    ñ) Cuarto commit

commit 287c9ba760acbeff1f95e59ea18f108bb85c5276
Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
Date: Thu Sep 30 19:32:22 2021 +0200

    Tercer commit con películas y comida

commit 9aa5518dd2096084fe742dbfc71c3dd1407c4aa8
Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
Date: Thu Sep 30 19:23:16 2021 +0200

    e) Segundo commit

commit 05da8888c86d4f18a435b27af94dcf1ae933de82
Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
Date: Thu Sep 30 19:17:42 2021 +0200

    c) Primer commit
```

Histórico de cambios

FUNDAMENTOS GIT II

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R1/repo2 (test)
$ git log --graph --all
* commit 1bd767063289a6235c409b6f860041834dea1be4 (HEAD -> test)
  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
  Date: Tue Oct 5 13:23:59 2021 +0200

    f) segundo commit, actrices

* commit c2c354251b8708b991205aa22f3bef39fd180ec2 (master)
  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
  Date: Tue Oct 5 13:13:25 2021 +0200

    c) primer commit

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R1/repo2 (test)
```

g) commit actrices en rama test

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R1/repo2 (test)
$ git checkout master
Switched to branch 'master'

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R1/repo2 (master)
$ git merge test
Updating c2c3542..1bd7670
Fast-forward
 actrices.txt | 3 +++
 1 file changed, 3 insertions(+)
 create mode 100644 actrices.txt

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R1/repo2 (master)
$ git log --graph --all
* commit 1bd767063289a6235c409b6f860041834dea1be4 (HEAD -> master, test)
  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
  Date: Tue Oct 5 13:23:59 2021 +0200

    f) segundo commit, actrices

* commit c2c354251b8708b991205aa22f3bef39fd180ec2
  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
  Date: Tue Oct 5 13:13:25 2021 +0200

    c) primer commit
```

i) Resultado de fusionar las dos ramas

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R1/repo2 (test2)
$ git log --graph --all
* commit d20988afb22d0ba5337e321bfb1c6eab0bc4fb84 (HEAD -> test2)
  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
  Date: Tue Oct 5 14:00:51 2021 +0200

    m) cuarto commit en test2

* commit e1325b8caf44a3fa0bfefaa77e253da8ed3899de (master)
  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
  Date: Tue Oct 5 13:58:58 2021 +0200

    k) tercer commit rama master, una actriz mas

* commit 1bd767063289a6235c409b6f860041834dea1be4 (test)
  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
  Date: Tue Oct 5 13:23:59 2021 +0200

    f) segundo commit, actrices

* commit c2c354251b8708b991205aa22f3bef39fd180ec2
  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
  Date: Tue Oct 5 13:13:25 2021 +0200

    c) primer commit
```

n) cuarto commit de dos caminos distintos


```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R1/repo2 (master)
$ git merge test2
Auto-merging actrices.txt
CONFLICT (content): Merge conflict in actrices.txt
Automatic merge failed; fix conflicts and then commit the result.

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R1/repo2 (master|MERGING)
$ git status
On branch master
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
    both modified:   actrices.txt

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

o) conflicto al hacer la fusión de ramas

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R1/repo2 (master)
$ git log --graph --all
*   commit 3767b34a7f6fa4976aa47ddbc0878b7764f18418 (HEAD -> master)
| \
|  Merge: e1325b8 d20988a
|  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
|  Date:   Tue Oct 5 14:06:17 2021 +0200
|
|      p) resolviendo conflictos
|
| *   commit d20988afb22d0ba5337e321bfb1c6eab0bc4fb84 (test2)
| |  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
| |  Date:   Tue Oct 5 14:00:51 2021 +0200
| |
| |      m) cuarto commit en test2
| |
| *   commit e1325b8caf44a3fa0bfefaa77e253da8ed3899de
| /  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
|   Date:   Tue Oct 5 13:58:58 2021 +0200
|
|      k) tercer commit rama master, una actriz mas
|
| *   commit 1bd767063289a6235c409b6f860041834de1be4 (test)
| |  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
| |  Date:   Tue Oct 5 13:23:59 2021 +0200
| |
| |      ...skipping...
| |
| | *   commit 3767b34a7f6fa4976aa47ddbc0878b7764f18418 (HEAD -> master)
| | | \
| | |  Merge: e1325b8 d20988a
| | |  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
| | |  Date:   Tue Oct 5 14:06:17 2021 +0200
| | |
| | |      p) resolviendo conflictos
| | |
| | | *   commit d20988afb22d0ba5337e321bfb1c6eab0bc4fb84 (test2)
| | | |  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
| | | |  Date:   Tue Oct 5 14:00:51 2021 +0200
| | | |
| | | |      m) cuarto commit en test2
| | | |
| | | *   commit e1325b8caf44a3fa0bfefaa77e253da8ed3899de
| | | /  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
| | |   Date:   Tue Oct 5 13:58:58 2021 +0200
| | |
| | |      k) tercer commit rama master, una actriz mas
| | |
| | | *   commit 1bd767063289a6235c409b6f860041834de1be4 (test)
| | | |  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
| | | |  Date:   Tue Oct 5 13:23:59 2021 +0200
| | | |
| | | |      f) segundo commit, actrices
| | | |
| | | *   commit c2c354251b8708b991205aa22f3bef39fd180ec2
| | | |  Author: Sonia Soriano <soriano20887@iesmarenosttrum.com>
| | | |  Date:   Tue Oct 5 13:13:25 2021 +0200
| | | |
| | | |      c) primer commit
```

Sonia Soriano Rodríguez
DAW – Desarrollo web en entorno cliente

q) captura final

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R2-Remoto
$ git init --bare
Initialized empty Git repository in C:/Users/Sonia/S2R2-Remoto/

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R2-Remoto (BARE:master)
$ cd ..

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~
$ git clone S2R2-Remoto S2R2
Cloning into 'S2R2'...
warning: You appear to have cloned an empty repository.
done.
```

3. clonar repositorio

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R2 (master)
$ git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 267 bytes | 267.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To C:/Users/Sonia/S2R2-Remoto
 * [new branch]      master -> master
```

c) push al repositorio remoto

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R2 (version1)
$ git push origin version1
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 338 bytes | 338.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To C:/Users/Sonia/S2R2-Remoto
 * [new branch]      version1 -> version1
```

g) push de la rama al repositorio local

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R3 (master)
$ git show directores.txt
commit 062e160a95a73ad2eb905aeb3179b83b525f2f2b (HEAD -> master, origin/master, origin/HEAD)
Author: Sonia Soriano <soriano20887@iesmarenostrum.com>
Date: Tue Oct 5 15:30:39 2021 +0200

    b) primer commit directores

diff --git a/directores.txt b/directores.txt
new file mode 100644
index 0000000..0059c96
--- /dev/null
+++ b/directores.txt
@@ -0,0 +1,3 @@
+Peter Jackson
+Tim Burton
+Alpachino
\ No newline at end of file
```

4. mostrar el contenido de directores

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R3 (version1)
$ git show directores.txt
commit 6b08582cb1296fb32f75fa59c00b9ea7113100c7 (HEAD -> version1, origin/version1)
Author: Sonia Soriano <soriano20887@iesmarenostrum.com>
Date: Tue Oct 5 15:37:54 2021 +0200

    f) segundo commit nuevos directores

diff --git a/directores.txt b/directores.txt
index 0059c96..136003e 100644
--- a/directores.txt
+++ b/directores.txt
@@ -1,3 +1,5 @@
 Peter Jackson
 Tim Burton
-Alpachino
\ No newline at end of file
+Alpachino
+Santiago Segura
+Steven Spielberg
\ No newline at end of file
```

c) Versio1 directores.txt

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R3 (master)
$ git push
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To C:/Users/Sonia/S2R2-Remoto
    062e160..6b08582 master -> master

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R3 (master)
$ git log
commit 6b08582cb1296fb32f75fa59c00b9ea7113100c7 (HEAD -> master, origin/version1, origin/master, origin/HEAD, version1)
Author: Sonia Soriano <soriano20887@iesmarenostrum.com>
Date: Tue Oct 5 15:37:54 2021 +0200

    f) segundo commit nuevos directores

commit 062e160a95a73ad2eb905aeb3179b83b525f2f2b
Author: Sonia Soriano <soriano20887@iesmarenostrum.com>
Date: Tue Oct 5 15:30:39 2021 +0200

    b) primer commit directores
```

f) rama master actualizada en el servidor remoto

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R2 (master)
$ git fetch
From C:/Users/Sonia/S2R2-Remoto
    062e160..6b08582 master -> origin/master

Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R2 (master)
$
```

5 a) cambios en el repositorio remoto sin fusionar


```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/S2R2 (master)
$ git merge origin/master
Updating 062e160..6b08582
Fast-forward
 directorios.txt | 4 +++-
 1 file changed, 3 insertions(+), 1 deletion(-)
```

b) actualizar la rama master local con la remota, podría haberse realizado igualmente con el comando git pull




GITHUB

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/GitHub/sesion3-practica (master)
$ git commit -m "Discos. Close #3"
[master a0aade8] Discos. Close #3
 1 file changed, 3 insertions(+)
```

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/GitHub/sesion3-practica (master)
$ git commit -m "Libros. Close #1"
[master 87ca35e] Libros. Close #1
 1 file changed, 3 insertions(+)
```

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/GitHub/sesion3-practica (master)
$ git commit -m "Películas. Close #2"
[master 6e98925] Películas. Close #2
 1 file changed, 3 insertions(+)
```

```
Sonia@DESKTOP-9B7U0Q9 MINGW64 ~/GitHub/sesion3-practica (master)
$ git push
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 16 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 691 bytes | 691.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/IESMN-SSR2021/sesion3-practica.git
 a0aade8..6e98925 master -> master
```

- ☐  **Añadir 3 discos**
#3 by IESMN-SSR2021 was closed 4 minutes ago  Tareas sesión 3-2
- ☐  **Añadir 3 películas**
#2 by IESMN-SSR2021 was closed 36 seconds ago  Tareas sesión 3-2
- ☐  **Añadir 3 libros**
#1 by IESMN-SSR2021 was closed 36 seconds ago  Tareas sesión 3-2

Commits y push de los issues cerrados