



Seguridad informática

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LOS BOSCOS · LOGROÑO

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Para comenzar nos situamos en la carpeta que vayamos a utilizar y la inicializamos

```
PC03@hp-elitebook-850-g6 MINGW64 ~ (master)
$ cd c:

PC03@hp-elitebook-850-g6 MINGW64 /c
$ cd SMR_P6

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6
$ git init
Initialized empty Git repository in C:/SMR_P6/.git/

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (master)
$
```

Renombramos la rama principal

```
PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (master)
$ git branch -m main

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$
```



Realizamos el primer commit en la rama Main, para ello crearemos el archivo en nuestro editor de texto, después de comprobar mediante el comando Status que el archivo se encuentra en nuestra carpeta lo añadiremos a la cola de Git para poder commitarlo

```
PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$ git status
On branch main

No commits yet

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

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

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$ git add .

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$ git commit -m "primero commit en main"
[main (root-commit) 83d47fd] primero commit en main
1 file changed, 11 insertions(+)
create mode 100644 primero.html

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$
```

Seguimos commiteando como indica el ejercicio

```
PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$ git status
On branch 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:   primero.html

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

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

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$ git add .

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$ git commit -m "segundo comit en main"
[main a584a93] segundo comit en main
1 file changed, 11 insertions(+)
create mode 100644 segundo.html
```



```
PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$ git switch feature01
Switched to branch 'feature01'

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$ git status
On branch feature01
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    feature01.html

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

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$ git add .

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$ git commit -m "primer comit en feature01"
[feature01 34ecd60] primer comit en feature01
1 file changed, 11 insertions(+)
create mode 100644 feature01.html

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$ git tree
* 34ecd60 (HEAD -> feature01) primer comit en feature01
* a584a93 (main) segundo comit en main
* 83d47fd primero commit en main
```

```
PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$ git status
On branch feature01
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:   feature01.html

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

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$ git add .
g
PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$ git commit -m "segundo comit en feature01"
[feature01 4f4c840] segundo comit en feature01
1 file changed, 1 insertion(+), 1 deletion(-)

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$ git tree
* 4f4c840 (HEAD -> feature01) segundo comit en feature01
* 34ecd60 primer comit en feature01
* a584a93 (main) segundo comit en main
* 83d47fd primero commit en main

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$
```



```
PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature02)
$ git status
On branch feature02
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    feature02.html

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

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature02)
$ git add .

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature02)
$ git commit -m "primer comit en feature02"
[feature02 322c5c9] primer comit en feature02
1 file changed, 11 insertions(+)
create mode 100644 feature02.html

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature02)
$ git tree
* 322c5c9 (HEAD -> feature02) primer comit en feature02
* 4f4c840 (feature01) segundo comit en feature01
* 34ecd60 primer comit en feature01
* a584a93 (main) segundo comit en main
* 83d47fd primero commit en main
```

```
PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$ git status
On branch feature01
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:   feature01.html

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

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$ git add .

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$ git commit -m "tercer comit en feature01"
[feature01 7e26550] tercer comit en feature01
1 file changed, 1 insertion(+), 1 deletion(-)

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$ git tree
* 7e26550 (HEAD -> feature01) tercer comit en feature01
| * 322c5c9 (feature02) primer comit en feature02
|/
* 4f4c840 segundo comit en feature01
* 34ecd60 primer comit en feature01
* a584a93 (main) segundo comit en main
* 83d47fd primero commit en main

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$
```



Después de seguir los commits debemos hacer un merge entre las ramas 'feature01' y 'feature02'

```
PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature01)
$ git switch feature02
Switched to branch 'feature02'

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature02)
$ git merge feature01
Merge made by the 'ort' strategy.
 feature01.html | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (feature02)
$ git tree
* 2d2717f (HEAD -> feature02) Merge branch 'feature01' into feature02
| \
| * 7e26550 (feature01) tercer comit en feature01
| * | 322c5c9 primer comit en feature02
| /
| * 4f4c840 segundo comit en feature01
| * 34ecd60 primer comit en feature01
| * a584a93 (main) segundo comit en main
| * 83d47fd primero commit en main
```

Hacemos un ultimo commit en la rama 'main'

```
PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$ git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    tercero.html

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

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$ git add .

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$ git commit -m "tercer comit en main"
[main 0f79755] tercer comit en main
 1 file changed, 11 insertions(+)
 create mode 100644 tercero.html

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$ git tree
* 0f79755 (HEAD -> main) tercer comit en main
| * 2d2717f (feature02) Merge branch 'feature01' into feature02
| | \
| | * 7e26550 (feature01) tercer comit en feature01
| | * | 322c5c9 primer comit en feature02
| | /
| | * 4f4c840 segundo comit en feature01
| | * 34ecd60 primer comit en feature01
| /
| * a584a93 segundo comit en main
| * 83d47fd primero commit en main
```



Y por ultimo mergeamos la rama 'main' con la rama 'feature01'

```
PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$ git merge feature01
Updating 0f79755..893c6c6
Fast-forward
 feature01.html | 11 ++++++++
 1 file changed, 11 insertions(+)
 create mode 100644 feature01.html

PC03@hp-elitebook-850-g6 MINGW64 /c/SMR_P6 (main)
$ git tree
* 893c6c6 (HEAD -> main, feature01) Merge branch 'main' into feature01
|
| * 0f79755 tercer comit en main
| * 2d2717f (feature02) Merge branch 'feature01' into feature02
|
| /
|
| * 7e26550 tercer comit en feature01
| * 322c5c9 primer comit en feature02
|
| /
|
| * 4f4c840 segundo comit en feature01
| * 34ecd60 primer comit en feature01
|
| /
|
| * a584a93 segundo comit en main
| * 83d47fd primero commit en main
```

El resultado del tree no es el mismo que en el ejemplo pero no consigo replicarlo.