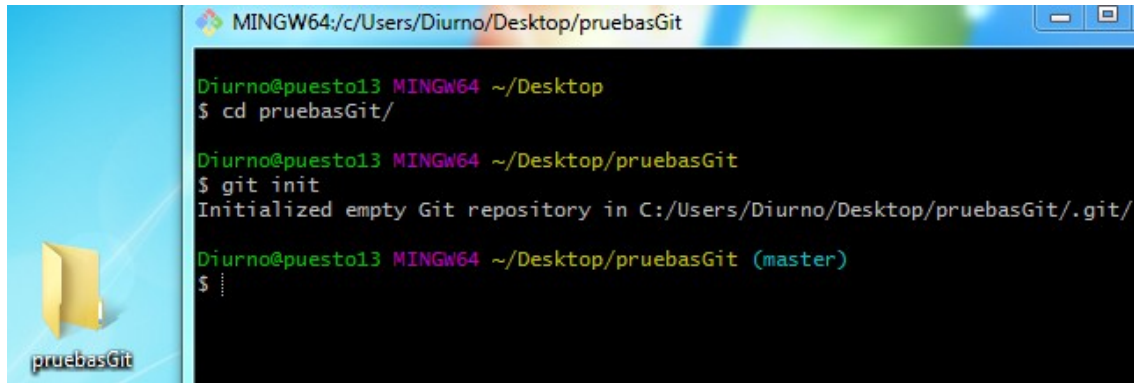


Crear un repositorio

Crear un repositorio local

/* Es necesario tener el directorio creado y situarse en dicho directorio */

git init

A screenshot of a Windows desktop with a blue background. On the left, there is a yellow folder icon labeled 'pruebasGit'. To its right is a terminal window titled 'MINGW64:/c/Users/Diurno/Desktop/pruebasGit'. The terminal shows the following commands and output:

```
Diurno@puesto13 MINGW64 ~/Desktop
$ cd pruebasGit/

Diurno@puesto13 MINGW64 ~/Desktop/pruebasGit
$ git init
Initialized empty Git repository in C:/Users/Diurno/Desktop/pruebasGit/.git/

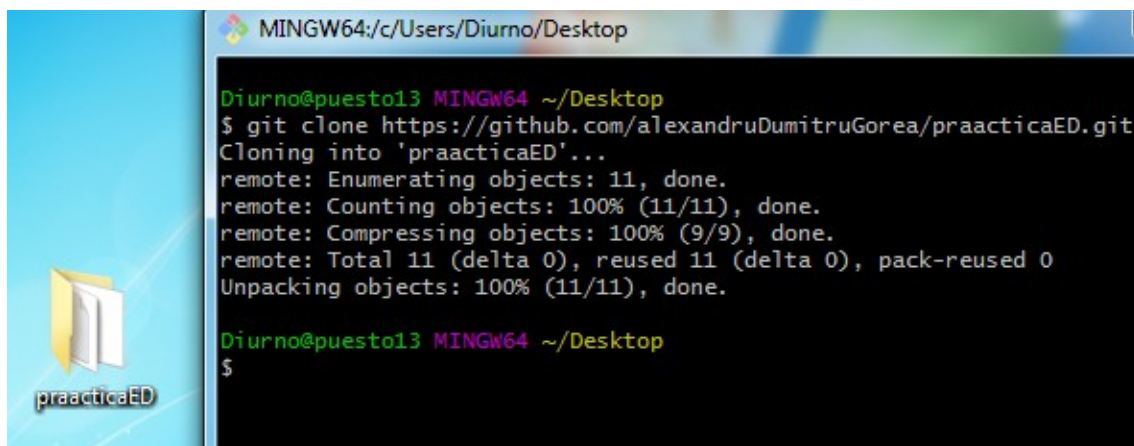
Diurno@puesto13 MINGW64 ~/Desktop/pruebasGit (master)
$
```

Clonar un repositorio a local

/* La URL puede ser local, o sino utilizar protocolos ssh, http, https, etc*/

/* Al clonar se crea el directorio, es decir, no necesita estar creado */

git clone URL

A screenshot of a Windows desktop with a blue background. On the left, there is a yellow folder icon labeled 'praacticaED'. To its right is a terminal window titled 'MINGW64:/c/Users/Diurno/Desktop'. The terminal shows the following commands and output:

```
Diurno@puesto13 MINGW64 ~/Desktop
$ git clone https://github.com/alexandruDumitruGorea/praacticaED.git
Cloning into 'praacticaED'...
remote: Enumerating objects: 11, done.
remote: Counting objects: 100% (11/11), done.
remote: Compressing objects: 100% (9/9), done.
remote: Total 11 (delta 0), reused 11 (delta 0), pack-reused 0
Unpacking objects: 100% (11/11), done.

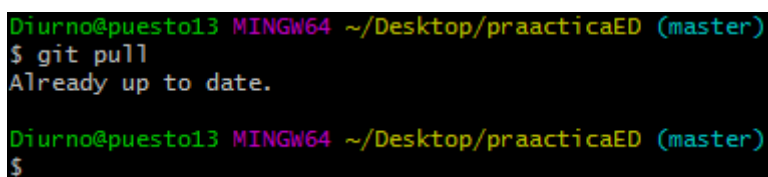
Diurno@puesto13 MINGW64 ~/Desktop
$
```

Trabajar con un repositorio

Actualizar repositorio, para trabajar con estado actual

/* Antes de empezar a trabajar hay que trabajar con las cosas al día. Recomendable hacer esto antes de empezar a trabajar */

git pull

A screenshot of a terminal window titled 'MINGW64 ~/Desktop/praacticaED (master)'. It shows the following commands and output:

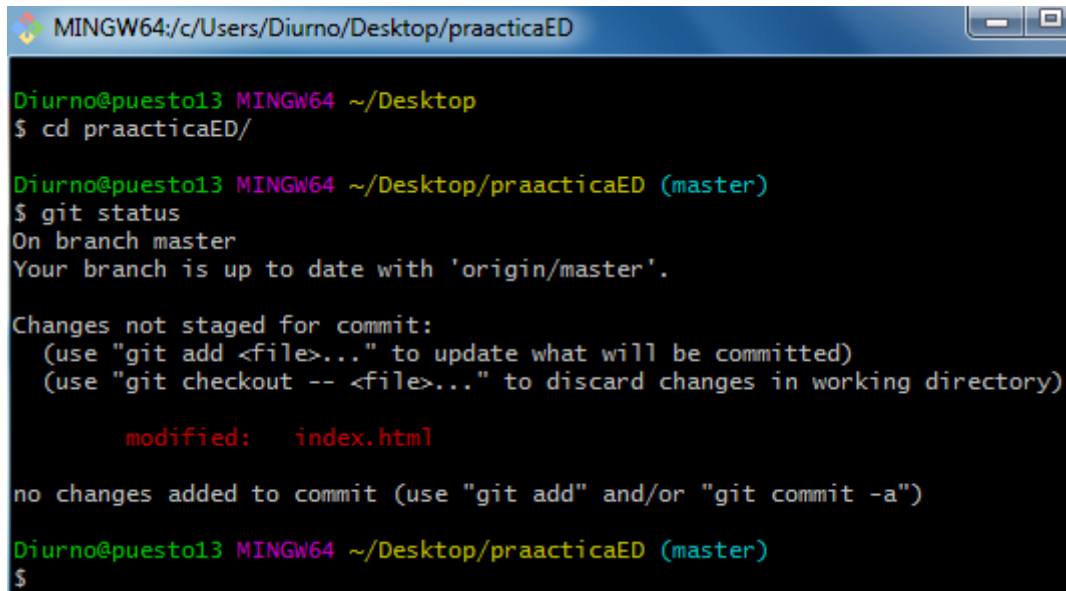
```
Diurno@puesto13 MINGW64 ~/Desktop/praacticaED (master)
$ git pull
Already up to date.

Diurno@puesto13 MINGW64 ~/Desktop/praacticaED (master)
$
```

Mantener repositorio actualizado

/* Imaginemos que hemos modificado algo y queremos tenerlo en cuenta para actualizar el repositorio */

git status /* Muestra un resumen del estado del repositorio respecto a la última versión */

A screenshot of a Windows command prompt window titled "MINGW64:/c/Users/Diurno/Desktop/practicaED". The prompt shows the user "Diurno@puesto13" in a "MINGW64" environment at the directory "~/Desktop". The user enters the command "cd practicaED/" and then "git status". The output indicates the user is on the "master" branch and the branch is up to date with 'origin/master'. It also shows that "index.html" is a modified file that has not been staged for commit. Instructions for using "git add" and "git checkout" are provided. The prompt ends with a dollar sign "\$".

```
Diurno@puesto13 MINGW64 ~/Desktop
$ cd practicaED/

Diurno@puesto13 MINGW64 ~/Desktop/practicaED (master)
$ 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)

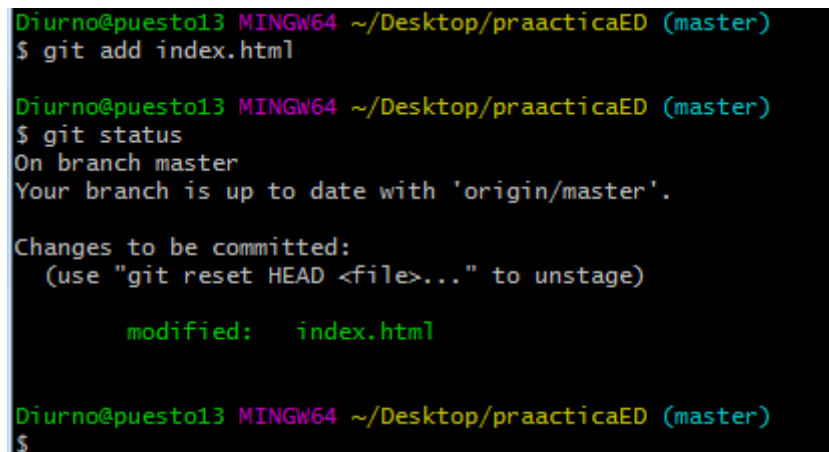
        modified:   index.html

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

Diurno@puesto13 MINGW64 ~/Desktop/practicaED (master)
$
```

git add fichero /* Prepara un fichero modificado*/

/* Los archivos preparados solo informan que tiene que tenerse en cuenta para futuras instrucciones. Esos archivos generan el "Index" */

A screenshot of a Windows command prompt window titled "MINGW64:/c/Users/Diurno/Desktop/practicaED". The prompt shows the user "Diurno@puesto13" in a "MINGW64" environment at the directory "~/Desktop/practicaED (master)". The user enters the command "git add index.html" and then "git status". The output indicates the user is on the "master" branch and the branch is up to date with 'origin/master'. It also shows that "index.html" is a modified file that is now staged for commit. Instructions for using "git reset HEAD" are provided. The prompt ends with a dollar sign "\$".

```
Diurno@puesto13 MINGW64 ~/Desktop/practicaED (master)
$ git add index.html

Diurno@puesto13 MINGW64 ~/Desktop/practicaED (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   index.html

Diurno@puesto13 MINGW64 ~/Desktop/practicaED (master)
$
```

`git add -u /* Preparar ficheros borrados */`

```
Diurno@puesto13 MINGW64 ~/Desktop/praaacticaED (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

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)

        deleted:    estilos.css

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

Diurno@puesto13 MINGW64 ~/Desktop/praaacticaED (master)
$ git add -u

Diurno@puesto13 MINGW64 ~/Desktop/praaacticaED (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        deleted:    estilos.css

Diurno@puesto13 MINGW64 ~/Desktop/praaacticaED (master)
$
```

Confirmar cambios

`git commit`

`/* Posee como parámetros importantes: [-m mensaje][-a]*/`

```
Diurno@puesto13 MINGW64 ~/Desktop/praaacticaED (master)
$ git commit -a -m "index de Miguel modificado"
[master 8e58ca2] index de Miguel modificado
1 file changed, 4 insertions(+), 3 deletions(-)

Diurno@puesto13 MINGW64 ~/Desktop/praaacticaED (master)
$
```

Solucionar problemas con Git

`/* Imaginemos que hemos borrado un archivo, porque nos pareció bien en su tiempo */`

```
Diurno@puesto13 MINGW64 ~/Desktop/praaacticaED (master)
$ git commit -m "Ya no quiero css"
[master 0af8859] Ya no quiero css
1 file changed, 0 insertions(+), 0 deletions(-)
delete mode 100644 estilos.css

Diurno@puesto13 MINGW64 ~/Desktop/praaacticaED (master)
$
```

`/* Vamos a deshacerlo */`

Retroceder al pasado

/* Podemos ver el historial de commit */

git log

```
Diurno@puesto13 MINGW64 ~/Desktop/practicaED (master)
$ git log -2
commit 0af88593310df239b265163ba2692b5a9da6b98a (HEAD -> master)
Author: pruebas <pruebas@pruebas.com>
Date: Thu May 23 12:16:26 2019 +0200

    Ya no quiero css

commit 8e58ca2b81f8bb2a64d74d5db5232c558bf6ba87
Author: pruebas <pruebas@pruebas.com>
Date: Thu May 23 12:13:43 2019 +0200

    index de Miguel modificado

Diurno@puesto13 MINGW64 ~/Desktop/practicaED (master)
$ git reset --hard 8e58ca2b81f8bb2a64d74d5db5232c558bf6ba87
HEAD is now at 8e58ca2 index de Miguel modificado

Diurno@puesto13 MINGW64 ~/Desktop/practicaED (master)
$
```

/* Cogemos el HASH o id del registro */

git reset - -hard HASH

Borrar un archivo del "Index"

git reset HEAD fichero

```
Diurno@puesto13 MINGW64 ~/Desktop/practicaED (master)
$ git add -u

Diurno@puesto13 MINGW64 ~/Desktop/practicaED (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)

Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        deleted:    estilos.css

Diurno@puesto13 MINGW64 ~/Desktop/practicaED (master)
$ git reset HEAD estilos.css
Unstaged changes after reset:
D      estilos.css

Diurno@puesto13 MINGW64 ~/Desktop/practicaED (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)

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)

        deleted:    estilos.css

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

Diurno@puesto13 MINGW64 ~/Desktop/practicaED (master)
$
```

Deshacer cambios de un fichero

git checkout --fichero

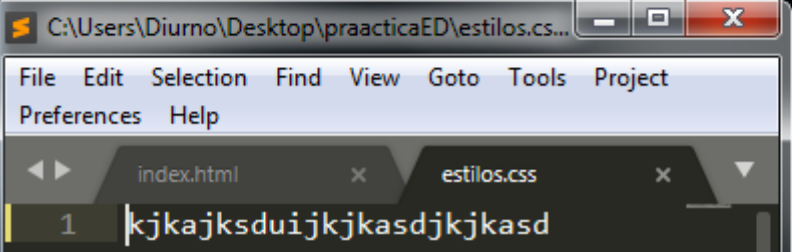
```
Diurno@puesto13 MINGW64 ~/Desktop/praaacticaED (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

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:   estilos.css

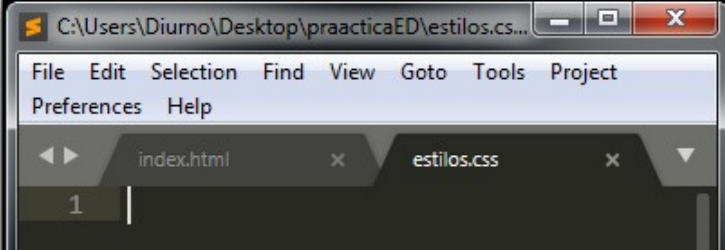
no changes added to commit (use "git add" and/or "git commit -a")

Diurno@puesto13 MINGW64 ~/Desktop/praaacticaED (master)
$
```



```
Diurno@puesto13 MINGW64 ~/Desktop/praaacticaED (master)
$ git checkout -- estilos.css

Diurno@puesto13 MINGW64 ~/Desktop/praaacticaED (master)
$
```



Subir cambios al servidor

git push

```
Diurno@puesto13 MINGW64 ~/Desktop/praaacticaED (master)
$ git push
Logon failed, use ctrl+c to cancel basic credential prompt.
Username for 'https://github.com': alexandrudumitrugorea@gmail.com
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 385 bytes | 385.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/alexandruDumitruGorea/praaacticaED.git
   e79d823..8e58ca2  master -> master

Diurno@puesto13 MINGW64 ~/Desktop/praaacticaED (master)
$
```