

1. Crear un repositorio nuevo con el nombre CD_Ej_GIT_tunombre (por ejemplo CD_Ej_GIT_Sabela) y listar su contenido. Añade un Readme.md

```
Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW
$ mkdir CD_Ej_GIT_AlejandroDV

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW
$ cd CD_Ej_GIT_AlejandroDV/

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV
$ git init
Initialized empty Git repository in C:/Users/Nials/Documents/2DAW/CD_Ej_GIT_AlejandroDV/.git/

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ nano Readme.md

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ ls
Readme.md

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$
```

2. Comprobar el estado del repositorio.

```
Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git status
On branch master

No commits yet

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

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

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ |
```

3. Crear un fichero index.html con algún contenido y realizar un commit con el mensaje "Añadido index.html".

```

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ nano index.html

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ ls
index.html  Readme.md

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git add .
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git commit -m "Añadido index.html"
[master (root-commit) 26e897c] Añadido index.html
 2 files changed, 1 insertion(+)
 create mode 100644 Readme.md
 create mode 100644 index.html

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)

```

4. Ver el estado del repositorio.

```

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git status
On branch master
nothing to commit, working tree clean

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ |

```

5. Añadir una nueva página por ejemplo contacto.html con algún contenido.

```

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ nano contacto.html

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ cat contacto.html
contacto.html AlejandroDV

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ |

```

6. Hacer un commit de los cambios.

```

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git add .
warning: LF will be replaced by CRLF in contacto.html.
The file will have its original line endings in your working directory

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git commit -m "Añadido contacto.html"
[master 81a4997] Añadido contacto.html
1 file changed, 1 insertion(+)
create mode 100644 contacto.html

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ |

```

7. Mostrar el historial de commits del repositorio.

```

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git log
commit 81a4997fa067a837e82b89a7bcfb85f5563cb367 (HEAD -> master)
Author: Alejandro Diaz <a18alejandrodv@iessanclemente.net>
Date:   Wed Mar 3 11:44:36 2021 +0100

    Añadido contacto.html

commit 26e897cb789f49575c8f5259dc161854d1e0ae33
Author: Alejandro Diaz <a18alejandrodv@iessanclemente.net>
Date:   Wed Mar 3 11:41:09 2021 +0100

    Añadido index.html

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ |

```

8. Crear la carpeta logs y dentro de ella el fichero apache.log

```

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ mkdir logs

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ cd logs/

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/logs (master)
$ nano apache.log

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/logs (master)
$ ls
apache.log

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/logs (master)
$ |

```

- a. Hacer un commit con el mensaje “Añadida carpeta logs”

```
Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/logs (master)
$ git add .

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/logs (master)
$ git commit -m "Añadida carpeta logs"
[master 11a112d] Añadida carpeta logs
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 logs/apache.log

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/logs (master)
$ |
```

- b. Volver a mostrar el historial de cambios.

```
Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/logs (master)
$ git log
commit 11a112d0bfff3837b0a423e3d42090161d4aa245c (HEAD -> master)
Author: Alejandro Diaz <a18alejandrodv@iessanclemente.net>
Date: Wed Mar 3 11:48:14 2021 +0100

    Añadida carpeta logs

commit 81a4997fa067a837e82b89a7bcfb85f5563cb367
Author: Alejandro Diaz <a18alejandrodv@iessanclemente.net>
Date: Wed Mar 3 11:44:36 2021 +0100

    Añadido contacto.html

commit 26e897cb789f49575c8f5259dc161854d1e0ae33
Author: Alejandro Diaz <a18alejandrodv@iessanclemente.net>
Date: Wed Mar 3 11:41:09 2021 +0100

    Añadido index.html

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/logs (master)
$ |
```

- c. Crear el fichero login.log en la carpeta login.

```

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ mkdir login

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ cd login/

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/login (master)
$ nano login.log

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/login (master)
$ ls
login.log

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/login (master)
$ |

```

d. Modificar el index.php añadiendo un formulario de login.

```

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ ls
contacto.html index.html login/ logs/ Readme.md

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ mv index.html index.php

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ ls
contacto.html index.php login/ logs/ Readme.md

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ nano index.php

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ cat index.php
<form method="post" action="" name="signin-form">
  <div class="form-element">
    <label>Username</label>
    <input type="text" name="username" pattern="[a-zA-Z0-9]+" required />
  </div>
  <div class="form-element">
    <label>Password</label>
    <input type="password" name="password" required />
  </div>
  <button type="submit" name="login" value="login">Log In</button>
</form>

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ |

```

e. Ver el estado del repositorio de forma abreviada e indicar qué significa cada letra.

```

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (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:    index.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index.php
        login/

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

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ |

```

Cuando los archivos estan de color rojo significa que existen ficheros nuevos que no han sido añadidos para hacer commit , si hacemos un “git add “ los ficheros añadidos pasarán a estar de color verde, indicando que todos los cambios han sido añadidos para hacer un commit.

Si el color de los archivos es naranja significa que el archivo ha sido modificado, por lo que tenemos que hacer un “git add” para confirmar los cambios realizados en este.

9. Hacer un commit de los cambios ignorando la carpeta logs.

```

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ nano .gitignore

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ cat .gitignore
/logs

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ |

```

```

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git add .
warning: LF will be replaced by CRLF in .gitignore.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in index.php.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in login/login.log.
The file will have its original line endings in your working directory

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   .gitignore
    deleted:    index.html
    new file:   index.php
    new file:   login/login.log

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git commit -m "Añadido .gitignore"
[master 1ealdfd] Añadido .gitignore
4 files changed, 13 insertions(+), 1 deletion(-)
create mode 100644 .gitignore
delete mode 100644 index.html
create mode 100644 index.php
create mode 100644 login/login.log

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ |

```

10. Comprobar/explicar qué se sube al repositorio.

Una vez configurado el .gitignore, todas las carpetas y archivos puestos en este fichero no tendrán un seguimiento de modificaciones.

Ejemplo: Si creamos un archivo en la carpeta logs y realizamos un git status comprobaremos que no se detecta ningún cambio en el repositorio, para poder hacer un commit del archivo tendríamos que hacer específicamente un git add (-f) del fichero ignorado.

```

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ cd logs/

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/logs (master)
$ nano prueba.txt

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/logs (master)
$ git status
On branch master
nothing to commit, working tree clean

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/logs (master)
$ git add prueba.txt
The following paths are ignored by one of your .gitignore files:
logs
hint: Use -f if you really want to add them.
hint: Turn this message off by running
hint: "git config advice.addIgnoredFile false"

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV/logs (master)
$ |

```

11. Cambia el nombre del fichero contacto.html por contacto.php y sube los cambios.

```
Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ ls
contacto.html  index.php  login/  logs/  Readme.md

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ mv contacto.html contacto.php

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (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:    contacto.html

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

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

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git add .
warning: LF will be replaced by CRLF in contacto.php.
The file will have its original line endings in your working directory

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git commit -m "Renombrado fichero contacto"
[master e09a6dd] Renombrado fichero contacto
 1 file changed, 0 insertions(+), 0 deletions(-)
 rename contacto.html => contacto.php (100%)

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ |
```

Ramas

1. Crea una nueva rama (v0.1_tunombre) y muestra las ramas del repositorio.

```
Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git branch v0.1_AlejandroDV

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git branch
* master
  v0.1_AlejandroDV

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ |
```

2. Cambia a la rama bibliografía y crea el fichero sobrenosotros.html


```
Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git checkout -b bibliografia
Switched to a new branch 'bibliografia'

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (bibliografia)
$ nano sobrenosotros.html

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (bibliografia)
$ ls
contacto.php  index.php  login/  logs/  Readme.md  sobrenosotros.html

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (bibliografia)
$ |
```

3. Comitea los cambios.

```
Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (bibliografia)
$ git add .
warning: LF will be replaced by CRLF in sobrenosotros.html.
The file will have its original line endings in your working directory

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (bibliografia)
$ git commit -m "Añadido Sobre Nosotros"
[bibliografia 8636950] Añadido Sobre Nosotros
1 file changed, 1 insertion(+)
 create mode 100644 sobrenosotros.html

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (bibliografia)
$ |
```

4. Cambia el index.html añadiendo un enlace a la nueva página sobrenosotros.html

```
Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (bibliografia)
$ cat index.php
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>

<body>
  <a href="sobrenosotros.html">Sobre Nosotros</a>
  <form method="post" action="" name="signin-form">
    <div class="form-element">
      <label>Username</label>
      <input type="text" name="username" pattern="[a-zA-Z0-9]+" required />
    </div>
    <div class="form-element">
      <label>Password</label>
      <input type="password" name="password" required />
    </div>
    <button type="submit" name="login" value="login">Log In</button>
  </form>
</body>

</html>
Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (bibliografia)
$ |
```

5. Fusionar o mergear la rama (v0.1_tunombre) con la rama master.

```
Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (master)
$ git merge v0.1_AlejandroDV
Already up to date.

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (bibliografia)
$
```

Repositorios Remotos

1. Sube todos los cambios a un repositorio remoto. Sube también el enunciado y el documento con las soluciones. Puedes crearlo en bitbucket o en github. Ponlo público y comparte la URL.

```
Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (bibliografia)
$ git remote add origin https://github.com/A18AlejandroDV/CD_Ej_GIT_AlejandroDV.git

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (bibliografia)
$ git push origin master
Logon failed, use ctrl+c to cancel basic credential prompt.
Enumerating objects: 18, done.
Counting objects: 100% (18/18), done.
Delta compression using up to 12 threads
Compressing objects: 100% (11/11), done.
Writing objects: 100% (18/18), 1.68 KiB | 344.00 KiB/s, done.
Total 18 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/A18AlejandroDV/CD_Ej_GIT_AlejandroDV.git
 * [new branch]      master -> master

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (bibliografia)
$
```

https://github.com/A18AlejandroDV/CD_Ej_GIT_AlejandroDV

2. Sube la rama (v0.1_tunombre).

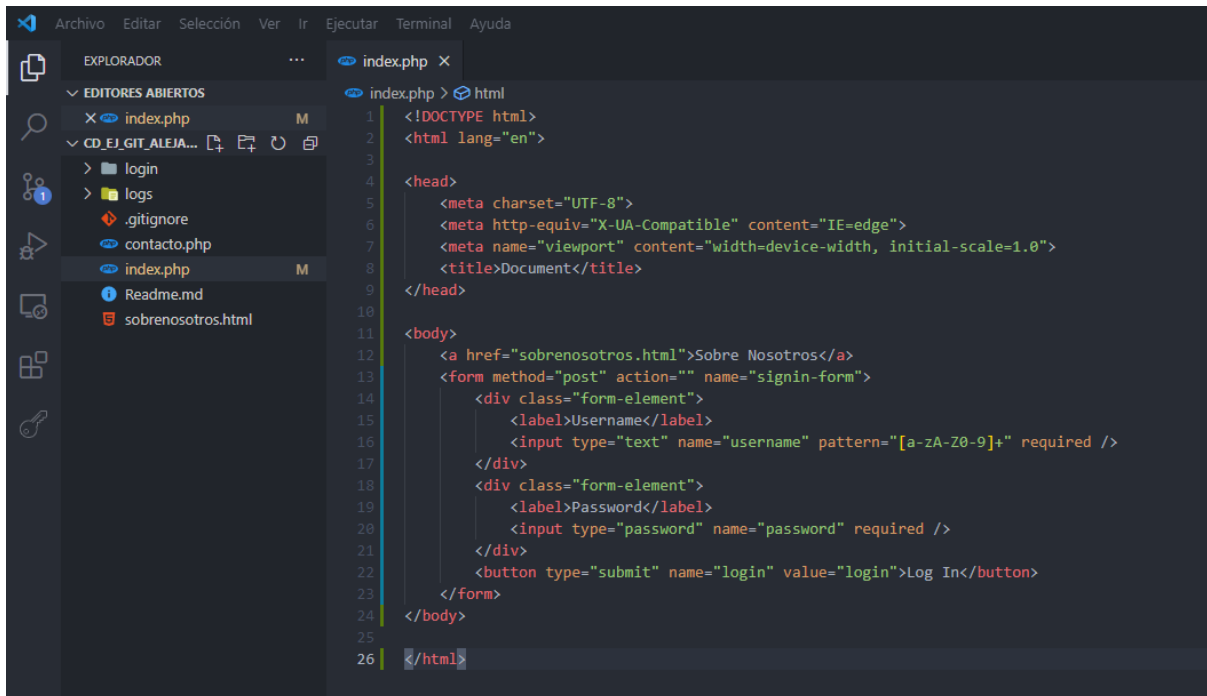
```
Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (bibliografia)
$ git push origin v0.1_AlejandroDV
Logon failed, use ctrl+c to cancel basic credential prompt.
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'v0.1_AlejandroDV' on GitHub by visiting:
remote:   https://github.com/A18AlejandroDV/CD_Ej_GIT_AlejandroDV/pull/new/v0.1_AlejandroDV
remote:
To https://github.com/A18AlejandroDV/CD_Ej_GIT_AlejandroDV.git
 * [new branch]      v0.1_AlejandroDV -> v0.1_AlejandroDV

Nials@DESKTOP-9QM307I MINGW64 ~/Documents/2DAW/CD_Ej_GIT_AlejandroDV (bibliografia)
$
```

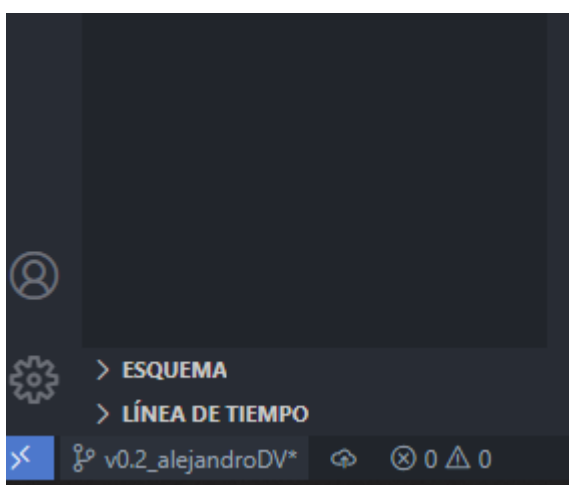
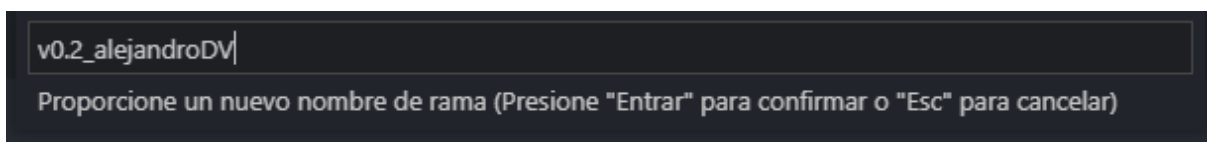
GIT en Visual Studio Code

Todos los siguientes pasos deben ser realizados en el Visual Studio Code.

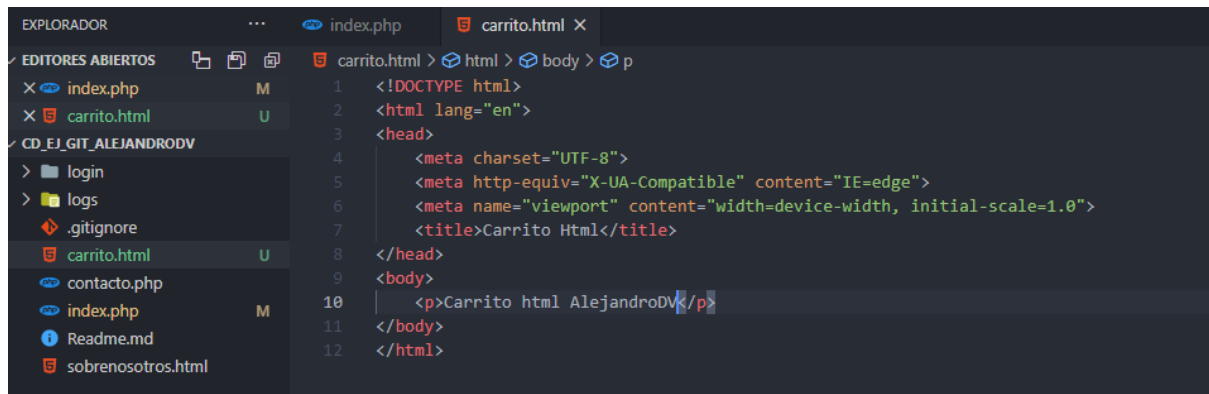
1. Abre el Visual Studio Code y clona el repositorio que te creaste en el ejercicio anterior.



Crea una nueva rama que se llame (v0.2_tunombre) y cambiate a ella. Inserta captura donde se vea que cambiaste de rama



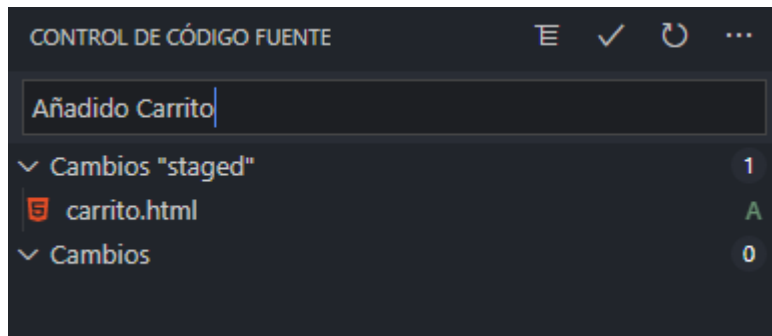
3. Crea un nuevo documento llamado carrito.html con algún contenido.



The screenshot shows the Visual Studio Code interface. On the left, the Explorer sidebar shows a file named 'carrito.html' with a green 'U' icon, indicating it is a new file. The main editor area shows the content of 'carrito.html' with the following HTML code:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Carrito Html</title>
8 </head>
9 <body>
10  <p>Carrito html AlejandroDV</p>
11 </body>
12 </html>
```

4. Realiza un commit de este documento



5. Sube los cambios al repositorio remoto.

