git config --global user.name "PedroJimenez73"
git config --global user.email "pjimenez@qualitycw.com"

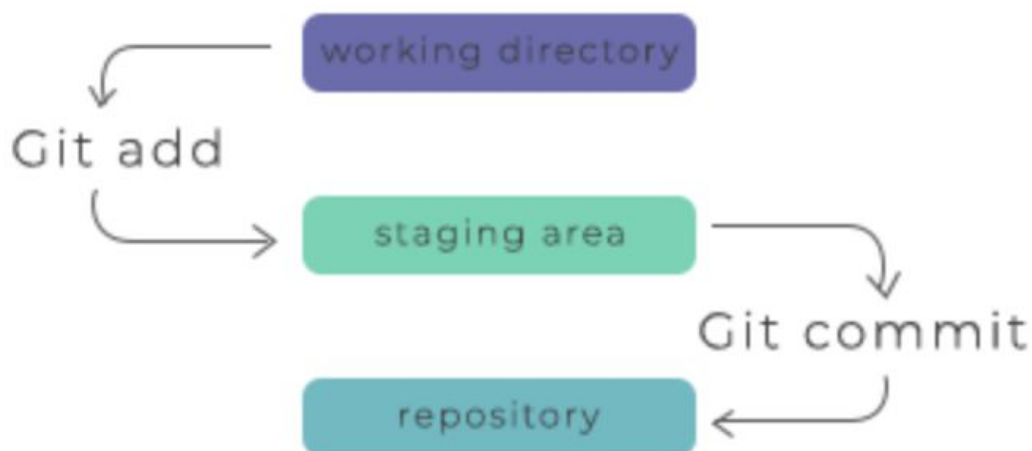git config --global -e (edita con vim, salir con :q)

```
# This is Git's per-user configuration file.
[user]
        name = coreavparis2020m
        email = coreavparis2020m@gmail.com
        password = Stavros1234*
# Please adapt and uncomment the following lines:
#        name = Pedro Jiménez
#        email = pedro@MBP-de-Pedro.home
~
~
~
~
~
~
"~/.gitconfig" 8L, 246C
```

Initializate Git directory

git init

Git estructure

Check git state

```
  MBP-de-Pedro perfect_layout git:(master) ✗ git status
On branch master

No commits yet

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

        .vscode/
        Where-to-stay-in-Tokyo-a-neighbourhood-guide.jpg
        index.html
        style.css

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

Add all files to git

git add -A (all changes to stage)

or

git add . (all changes to stage except deletions)

or

git add -u (only updated files)

Check again

git status

Set a commit (files state snapshot)

```
  MBP-de-Pedro perfect_layout git:(master) ✗ git commit -m 'primer commit 📁'
[master (root-commit) 5c458c3] primer commit 📁
 4 files changed, 73 insertions(+)
 create mode 100644 .vscode/settings.json
 create mode 100644 Where-to-stay-in-Tokyo-a-neighbourhood-guide.jpg
 create mode 100644 index.html
 create mode 100644 style.css
```

Recover last commit after unexpected changes

Modify any file and delete another one.

```
MBP-de-Pedro perfect_layout git:(master) git status
On branch 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")
MBP-de-Pedro perfect_layout git:(master) ✗ git checkout -- .
MBP-de-Pedro perfect_layout git:(master)
```

Check out how git recover the modified file.

README.md file

Create a README.md file and add to git

```
 index.html        README.md ✕

 README.md > abc # Título del Proyecto 🚀 > abc ## Construido con 🛠

1    # Título del Proyecto 🚀
2
3    Proyecto de ejemplo para aprender **Git**
4
5    ### Pre-requisitos 📋
6
7    Simplemente:
8
9    ```
10   git clone ...
11   ```
12
13   ### Instalación 🔧
14
15   Ninguna.
16
17   ## Construido con 🛠
18
19   * [VS Code](http://vscode.com)
```

```
    MBP-de-Pedro perfect_layout git:(master) git add README.md
    MBP-de-Pedro perfect_layout git:(master) ✗ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)


        new file:    README.md


    MBP-de-Pedro perfect_layout git:(master) ✗ git commit -m 'readme added'
[master 8db4786] readme added
 1 file changed, 19 insertions(+)
 create mode 100644 README.md
```

Git status before add

Do several change and git status

```
    MBP-de-Pedro perfect_layout git:(master) ✗ git status
On branch master
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:    Where-to-stay-in-Tokyo-a-neighbourhood-guide.jpg
        modified:   index.html

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

        page2.html
        tokyo.jpg

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

Add only one file

git add page2.html

Add several files by type

git add *.html

<u>See log commits</u>

git log

```
commit 8db478676a651f8dc82695743799e2595d107ef3 (HEAD -> master)
Author: "PedroJimenez73" <"pjimenez@qualitycw.com">
Date:    Mon Apr 27 00:18:28 2020 +0200

    readme added

commit 5c458c3e9e9632abc1a9457f22f737f4f1db58f2
Author: "PedroJimenez73" <"pjimenez@qualitycw.com">
Date:    Sun Apr 26 23:46:08 2020 +0200

    primer commit 📁
```

exit with :q

Options

git log --oneline

<u>Global alias</u>

```
ᵭ ᴛ  MBP-de-Pedro perfect_layout git:(master) ✗ git config --global alias.cm "commit -m"
ᵭ ᴛ  MBP-de-Pedro perfect_layout git:(master) ✗ git cm 'second commit'
[master dd40986] second commit
 1 file changed, 11 insertions(+)
 create mode 100644 page2.html
```

Check with git config --global -l

<u>Remove a file from stage</u>

```
ᵭ ᴛ  MBP-de-Pedro perfect_layout git:(master) ✗ git add tokyo.jpg
ᵭ ᴛ  MBP-de-Pedro perfect_layout git:(master) ✗ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        new file:   tokyo.jpg
```

```
∥⊙ ⊥  MBP-de-Pedro perfect_layout git:(master) ✗ git reset HEAD tokyo.jpg
Unstaged changes after reset:
D       Where-to-stay-in-Tokyo-a-neighbourhood-guide.jpg
M       index.html
∥⊙ ⊥  MBP-de-Pedro perfect_layout git:(master) ✗ git status
On branch master
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:    Where-to-stay-in-Tokyo-a-neighbourhood-guide.jpg
        modified:   index.html

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

        tokyo.jpg
```

Add updates files and set commit in one step

git commit -am 'lorem...'

Go back to a previous commit

git log --oneline


```
15f7392 (HEAD -> master) ct commit
dcdb92f tr commit
dd40986 second commit
8db4786 readme added
5c458c3 primer commit 📁
~
~
```

git reset <commit id>

```
🏴‍☠️ ⛳ MBP-de-Pedro perfect_layout git:(master) ✗ git reset dd40986
Unstaged changes after reset:
D       Where-to-stay-in-Tokyo-a-neighbourhood-guide.jpg
M       index.html
🏴‍☠️ ⛳ MBP-de-Pedro perfect_layout git:(master) ✗ git status
On branch master
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:    Where-to-stay-in-Tokyo-a-neighbourhood-guide.jpg
        modified:   index.html

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

        page3.html
        tokyo.jpg
```

Go back to previous commit and reset changes not staged

```
MBP-de-Pedro perfect_layout git:(master) x git reset --hard  dd40986
HEAD is now at dd40986 second commit
   MBP-de-Pedro perfect_layout git:(master) x git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)

        page3.html
        tokyo.jpg

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

Files not added to commit were not remove.

Repository history

git reflog

```
dd40986 (HEAD -> master) HEAD@{0}: reset: moving to dd40986
dd40986 (HEAD -> master) HEAD@{1}: reset: moving to dd40986
15f7392 HEAD@{2}: commit: ct commit
dcdb92f HEAD@{3}: commit: tr commit
dd40986 (HEAD -> master) HEAD@{4}: commit: second commit
8db4786 HEAD@{5}: commit: readme added
5c458c3 HEAD@{6}: commit (initial): primer commit 📁
~
```

Ignore files

Create a .gitignore file in root and add the files and directories to omit