

TD8/9 : Python

```
j_collot@PC-Jeanne:~$ git clone https://github.com/jcollot2/TD-Linux-Git-and-Python.git
Cloning into 'TD-Linux-Git-and-Python'...
Username for 'https://github.com': jcollot2
Password for 'https://jcollot2@github.com':
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
j_collot@PC-Jeanne:~$ ls
linux_l      my_programs  scrapping    TD8-9          test
mon_projet_git  projet.sh    TD           TD-Linux-Git-and-Python  tmp.txt
j_collot@PC-Jeanne:~$ cd TD-Linux-Git-and-Python
```

Exercice 1 : (avant de le mettre sur GitHub)

```
j_collot@PC-Jeanne:~$ mkdir TD8-9
j_collot@PC-Jeanne:~$ cd TD8-9
j_collot@PC-Jeanne:~/TD8-9$
```

```
j_collot@PC-Jeanne:~$ cd TD8-9
j_collot@PC-Jeanne:~/TD8-9$ git init
hint: Using 'master' as the name for the initial branch. This default branch
name
hint: is subject to change. To configure the initial branch name to use in a
ll
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command
:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/j_collot/TD8-9/.git/
```

```
j_collot@PC-Jeanne:~/TD8-9$ sudo apt-get install python3-pip
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu build-essential bzip2
  cpp cpp-10 dirmngr dpkg-dev fakeroot fontconfig-config fonts-dejavu-core
  g++ g++-10 gcc gcc-10 gnupg gnupg-l10n gnupg-utils gpg gpg-agent
  gpg-wks-client gpg-wks-server gpgconf gpgsm javascript-common
  libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl
```

```
j_collot@PC-Jeanne:~/TD8-9$ sudo pip3 install virtualenv
Collecting virtualenv
  Downloading virtualenv-20.21.0-py3-none-any.whl (8.7 MB)
    | 8.7 MB 2.1 MB/s
Collecting filelock<4,>=3.4.1
  Downloading filelock-3.10.0-py3-none-any.whl (9.9 kB)
Collecting platformdirs<4,>=2.4
  Downloading platformdirs-3.1.1-py3-none-any.whl (14 kB)
Collecting distlib<1,>=0.3.6
  Downloading distlib-0.3.6-py2.py3-none-any.whl (468 kB)
    | 468 kB 8.2 MB/s
Installing collected packages: platformdirs, filelock, distlib, virtualenv
Successfully installed distlib-0.3.6 filelock-3.10.0 platformdirs-3.1.1 virt
ualenv-20.21.0
```

```
j_collot@PC-Jeanne:~/TD8-9$ virtualenv --python python3 .env
created virtual environment CPython3.9.2.final.0-64 in 257ms
creator CPython3Posix(dest=/home/j_collot/TD8-9/.env, clear=False, no_vcs_
ignore=False, global=False)
seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bu
ndle, via=copy, app_data_dir=/home/j_collot/.local/share/virtualenv)
added seed packages: pip==23.0.1, setuptools==67.4.0, wheel==0.38.4
activators BashActivator,CShellActivator,FishActivator,NushellActivator,Po
werShellActivator,PythonActivator
```

```
j_collot@PC-Jeanne:~/TD8-9$ source .env/bin/activate
(.env) j_collot@PC-Jeanne:~/TD8-9$
```

```
(.env) j_collot@PC-Jeanne:~/TD8-9$ pip list --local
Package      Version
-----
pip          23.0.1
setuptools   67.4.0
wheel        0.38.4
(.env) j_collot@PC-Jeanne:~/TD8-9$ git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)
(.env) j_collot@PC-Jeanne:~/TD8-9$
```

Git doesn't give any thing to commit. It seems normal since we haven't created any files

```

(.env) j_collot@PC-Jeanne:~/TD8-9$ touch .gitignore
(.env) j_collot@PC-Jeanne:~/TD8-9$ nano .gitignore
(.env) j_collot@PC-Jeanne:~/TD8-9$ git status
On branch master

No commits yet

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

nothing added to commit but untracked files present (use "git add" to track)
(.env) j_collot@PC-Jeanne:~/TD8-9$ nano .gitignore
(.env) j_collot@PC-Jeanne:~/TD8-9$ git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)
(.env) j_collot@PC-Jeanne:~/TD8-9$

```

On écrit « .gitignore » dans le fichier .gitignore pour ne pas qu'il apparaisse

```

GNU nano 5.4                                .gitignore
.gitignore

```

Git still doesn't give any thing to commit since we ignore the .gitignore file.