

TD5

Question 1

```
camche@Queen:~$ mkdir td4
camche@Queen:~$ ls
linux_1  nouveau  Projet  TD  td4  TD4  test
```

Question 2

```
camche@Queen:~$ cd td4
camche@Queen:~/td4$ git init
hint: Using 'master' as the name for the initial branch. This is default branch name
hint: 'git init' is subject to change. To configure the initial branch name to use in all
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/camche/td4/.git/
```

Question 3

```
camche@Queen:~/td4$ sudo apt-get update
[sudo] password for camche:
Sorry, try again.
[sudo] password for camche:
Hit:1 http://deb.debian.org/debian bullseye InRelease
Get:2 http://deb.debian.org/debian bullseye-updates InRelease [44.1 kB]
Get:3 http://security.debian.org/debian-security bullseye-security InRelease [48.4 kB]
Get:4 http://ftp.debian.org/debian bullseye-backports InRelease [49.0 kB]
Get:5 http://security.debian.org/debian-security bullseye-security/main amd64 Packages [236 kB]
Get:6 http://security.debian.org/debian-security bullseye-security/main Translation-en [154 kB]
Get:7 http://ftp.debian.org/debian bullseye-backports/main amd64 Packages.diff/Index [63.3 kB]
Get:8 http://ftp.debian.org/debian bullseye-backports/main Translation-en.diff/Index [63.3 kB]
Get:9 http://ftp.debian.org/debian bullseye-backports/main amd64 Packages T-2023-03-19-1403.38-F-2023-03-14-2015.37.pdiff [3,610 B]
Get:9 http://ftp.debian.org/debian bullseye-backports/main amd64 Packages T-2023-03-19-1403.38-F-2023-03-14-2015.37.pdiff [3,610 B]
Get:10 http://ftp.debian.org/debian bullseye-backports/main Translation-en T-2023-03-14-2015.37-F-2023-03-14-2015.37.pdiff [1,070 B]
Get:10 http://ftp.debian.org/debian bullseye-backports/main Translation-en T-2023-03-14-2015.37-F-2023-03-14-2015.37.pdiff [1,070 B]
Fetched 663 kB in 1s (607 kB/s)
Reading package lists... Done
```

```
camche@Queen:~/td4$ sudo apt-get install python3-pip
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
python3-pip is already the newest version (20.3.4-4+deb11u1).
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.
```

```
camche@Queen:~/td4$ pip3 --version
pip 20.3.4 from /usr/lib/python3/dist-packages/pip (python 3.9)
```

Question 4

```
camche@Queen:~/td4$ sudo pip3 install virtualenv
Collecting virtualenv
  Downloading virtualenv-20.21.0-py3-none-any.whl (8.7 MB)
    | 8.7 MB 3.4 MB/s
Collecting platformdirs<4,>=2.4
  Downloading platformdirs-3.1.1-py3-none-any.whl (14 kB)
Collecting filelock<4,>=3.4.1
  Downloading filelock-3.10.0-py3-none-any.whl (9.9 kB)
Collecting distlib<1,>=0.3.6
  Downloading distlib-0.3.6-py2.py3-none-any.whl (468 kB)
    | 468 kB 4.9 MB/s
Installing collected packages: platformdirs, filelock, distlib, virtualenv
Successfully installed distlib-0.3.6 filelock-3.10.0 platformdirs-3.1.1 virtualenv-20.21.0
```

Question 5

```
camche@Queen:~/td4$ virtualenv .env
created virtual environment CPython3.9.2.final.0-64 in 984ms
  creator CPython3Posix(dest=/home/camche/td4/.env, clear=False, no_vcs_ignore=False, global=False)
  seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_data_dir=/home/camche/.local/share/virtualenv)
    added seed packages: pip==23.0.1, setuptools==67.4.0, wheel==0.38.4
  activators BashActivator,CShellActivator,FishActivator,NushellActivator,PowerShellActivator,PythonActivator
```

NO CHANGE IN THE PROMPT

Question 6

```
camche@Queen:~/td4$ source .env/bin/activate
(.env) camche@Queen:~/td4$
```

CHANGE IN THE PROMPT (ADD .env)

Question 7

```
(.env) camche@Queen:~/TD5$ pip list
Package    Version
-----
pip        23.0.1
setuptools 67.4.0
wheel      0.38.4
```

```
(.env) camche@Queen:~/TD5$ pip list
Package            Version
-----
certifi             2022.12.7
charset-normalizer  3.1.0
idna                3.4
pip                 23.0.1
requests            2.28.2
setuptools          67.4.0
urllib3             1.26.15
wheel               0.38.4
```

Question 8

```
(.env) camche@Queen:~/TD5$ git commit
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

It means that the file is not followed and no going to be save by the time we finish if we do not do nothing, so we will have to commit it.

COPIE DU CONTENU DE TD4 DANS TD5

```
camche@Queen:~$ git clone https://github.com/CamiChev/TD5.git
Cloning into 'TD5'...
Username for 'https://github.com': CamiChev
Password for 'https://CamiChev@github.com':
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (4/4), done.
camche@Queen:~$ ls
fichierignoré.txt  linux_1  nouveau  Projet  TD  td4  TD4  TD5  test
camche@Queen:~$ cd TD5
camche@Queen:~/TD5$ ls -a
.  ..  .git  .gitignore  README.md
camche@Queen:~/TD5$ cp -r ../td4/.env/ ./
```

Question 9

```
(.env) camche@Queen:~/TD5$ nano .gitignore
```

```
GNU nano 5.4 .gitignore
.gitignore
```

Question 10

```
(.env) camche@Queen:~/TD5$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

Yes it is a good thing because it means that the .gitignore is ignored

## Question 11

```
(.env) camche@Queen:~/TD5$ git add .gitignore
(.env) camche@Queen:~/TD5$ git commit
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
(.env) camche@Queen:~/TD5$ git commit -m ".gitignore essai2"
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

```
(.env) camche@Queen:~/TD5$ git push
Username for 'https://github.com': CamiChev
Password for 'https://CamiChev@github.com':
Everything up-to-date
```

## EXERCICE 2

### Question 1

```
(.env) camche@Queen:~/TD5$ pip3 install requests
Collecting requests
  Downloading requests-2.28.2-py3-none-any.whl (62 kB)
    _____ 62.8/62.8 kB 1.8 MB/s eta 0:00:00
Collecting idna<4,>=2.5
  Downloading idna-3.4-py3-none-any.whl (61 kB)
    _____ 61.5/61.5 kB 1.9 MB/s eta 0:00:00
Collecting charset-normalizer<4,>=2
  Downloading charset_normalizer-3.1.0-cp39-cp39-manylinux_2_17_x86_64.manylinux2
14_x86_64.whl (199 kB)
    _____ 199.2/199.2 kB 3.3 MB/s eta 0:00:00
Collecting certifi>=2017.4.17
  Downloading certifi-2022.12.7-py3-none-any.whl (155 kB)
    _____ 155.3/155.3 kB 3.6 MB/s eta 0:00:00
Collecting urllib3<1.27,>=1.21.1
  Downloading urllib3-1.26.15-py2.py3-none-any.whl (140 kB)
    _____ 140.9/140.9 kB 2.0 MB/s eta 0:00:00
Installing collected packages: urllib3, idna, charset-normalizer, certifi, requests
Successfully installed certifi-2022.12.7 charset-normalizer-3.1.0 idna-3.4 requests-2.28.2 urllib3-1.26.15
```

### Question 2

```
(.env) camche@Queen:~/TD5$ touch derbyshire.py
(.env) camche@Queen:~/TD5$ ls
derbyshire.py  README.md
```

```
(.env) camche@Queen:~/TD5$ nano derbyshire.py
```

```
GNU nano 5.4      derbyshire.py
import requests
import json

url = 'https://opendomesday.org/api/1.0/county/dby/'

def get_place_ids():
    r=requests.get(url)
    return(r.json()['places_in_county'])

ids= get_place_ids()
print(ids)
```