```
Microsoft Windows [version 10.0.26100.4946]
(c) Microsoft Corporation. Tous droits réservés.

C:\Users\Palaz>python -m venv homework_project

C:\Users\Palaz>homework_project\Scripts\activate

(homework_project) C:\Users\Palaz>pip list
Package Version
______
pip 24.0
setuptools 65.5.0

[notice] A new release of pip is available: 24.0 -> 25.2
[notice] To update, run: python.exe -m pip install --upgrade pip

(homework_project) C:\Users\Palaz>pip install requests numpy pandas
```

```
Invite de commandes
   (homework_project) C:\Users\Palaz>pip install requests numpy pandas
  Collecting requests
       Using cached requests-2.32.5-py3-none-any.whl.metadata (4.9 kB)
  Collecting numpy
  Using cached numpy-2.3.3-cp311-cp311-win_amd64.whl.metadata (60 kB)
Collecting pandas
Using cached pandas-2.3.2-cp311-cp311-win_amd64.whl.metadata (19 kB)
Using cached pandas-2.3.2-cp311-cp311-win_amd64.whl.metadata (19 kB)

Collecting charset_normalizer<4,>=2 (from requests)
Using cached charset_normalizer-3.4.3-cp311-cp311-win_amd64.whl.metadata (37 kB)

Collecting idna<4,>=2.5 (from requests)
Using cached idna-3.10-py3-none-any.whl.metadata (10 kB)

Collecting urllib3<3,>=1.21.1 (from requests)
Using cached urllib3-2.5.0-py3-none-any.whl.metadata (6.5 kB)

Collecting certifi>=2017.4.17 (from requests)
Using cached certifi-2025.8.3-py3-none-any.whl.metadata (2.4 kB)

Collecting python-dateutil>=2.8.2 (from pandas)
Using cached python_dateutil-2.9.0.post0-py2.py3-none-any.whl.metadata (8.4 kB)

Collecting pytz>=2020.1 (from pandas)
Using cached pytr-2025.2-py2.py3-none-any.whl.metadata (22 kB)

Collecting tzdata>=2022.7 (from pandas)
Using cached tzdata=2025.2-py2.py3-none-any.whl.metadata (1.4 kB)

Collecting six>=1.5 (from python-dateutil>=2.8.2->pandas)
Using cached six-1.17.0-py2.py3-none-any.whl.metadata (1.7 kB)
Collecting six>=1.5 (from python-dateutil>=2.8.2->pandas)
Using cached six-1.17.0-py2.py3-none-any.whl.metadata (1.7 kB)
Using cached requests-2.32.5-py3-none-any.whl (64 kB)
Using cached numpy-2.3.3-cp311-cp311-win_amd64.whl (13.1 MB)
Using cached pandas-2.3.2-cp311-cp311-win_amd64.whl (11.3 MB)
Using cached certifi-2025.8.3-py3-none-any.whl (161 kB)
Using cached charset_normalizer-3.4.3-cp311-cp311-win_amd64.whl (107 kB)
Using cached idna-3.10-py3-none-any.whl (70 kB)
Using cached python_dateutil-2.9.0.post0-py2.py3-none-any.whl (229 kB)
Using cached pytz-2025.2-py2.py3-none-any.whl (509 kB)
Using cached tzdata-2025.2-py2.py3-none-any.whl (347 kB)
Using cached urllib3-2.5.0-py3-none-any.whl (129 kB)
Using cached six-1.17.0-py2.py3-none-any.whl (11 kB)
Installing collected packages: pytz, urllib3, tzdata, six, numpy, idna, charset_normalizer, certifi, re quests, python-dateutil, pandas
  quests, python-dateutil, pandas
Successfully installed certifi-2025.8.3 charset_normalizer-3.4.3 idna-3.10 numpy-2.3.3 pandas-2.3.2 python-dateutil-2.9.0.post0 pytz-2025.2 requests-2.32.5 six-1.17.0 tzdata-2025.2 urllib3-2.5.0
  [notice] A new release of pip is available: 24.0 -> 25.2
[notice] To update, run: python.exe -m pip install --upgrade pip
   (homework_project) C:\Users\Palaz>pip list
  Package
                                                                Version
  certifi
                                                                2025.8.3
  charset-normalizer 3.4.3
                                                                3.10
  idna
                                                                2.3.3
  numpy
                                                                2.3.2
  pandas
                                                                24.0
2.9.0.post0
  pip
  python-dateutil
                                                                2025.2
  pvtz
  requests
                                                                2.32.5
                                                                65.5.0
1.17.0
  setuptools
   tzdata
                                                                2025.2
  urllib3
                                                                2.5.0
  [notice] A new release of pip is available: 24.0 -> 25.2
[notice] To update, run: python.exe -m pip install --upgrade pip
```

```
(homework_project) C:\Users\Palaz>pip freeze > requirements.txt
    (homework_project) C:\Users\Palaz>deactivate
    C:\Users\Palaz>python -m venv new_homework_project
   C:\Users\Palaz>new_homework_project\Scripts\activate
    (new_homework_project) C:\Users\Palaz>pip list
   Package
                                                   Version
                                                   24.0
   setuptools 65.5.0
   [notice] A new release of pip is available: 24.0 -> 25.2
[notice] To update, run: python.exe -m pip install --upgrade pip
 (new_homework_project) C:\Users\Palaz>pip install -r requirements.txt
Collecting certifi==2025.8.3 (from -r requirements.txt (line 1))
Using cached certifi=2025.8.3-py3-none-any.whl.metadata (2.4 kB)
Collecting charset-normalizer==3.4.3 (from -r requirements.txt (line 2))
Using cached charset_normalizer=3.4.3-cp311-cp311-win_amd64.whl.metadata (37 kB)
Collecting idna==3.10 (from -r requirements.txt (line 3))
Using cached idna=3.10-py3-none-any.whl.metadata (10 kB)
Collecting numpy==2.3.3 (from -r requirements.txt (line 4))
Using cached numpy=2.3.3-cp311-win_amd64.whl.metadata (60 kB)
Collecting pandas==2.3.2 (from -r requirements.txt (line 5))
Using cached numpy=2.3.3-cp311-cp311-win_amd64 whl.metadata (19 kB)
   Using cached pandas-2.3.2-cp311-cp311-win_amd64.whl.metadata (19 kB)

Collecting python-dateutil==2.9.0.post0 (from -r requirements.txt (line 6))

Using cached python_dateutil-2.9.0.post0-py2.py3-none-any.whl.metadata (8.4 kB)

Collecting pytz==2025.2 (from -r requirements.txt (line 7))
Using cached python_dateutil-2.9.0.post0-py2.py3-none-any.whl.metadata (8.4 kB)

Collecting pytz==2025.2 (from -r requirements.txt (line 7))
Using cached pytz-2025.2-py2.py3-none-any.whl.metadata (22 kB)

Collecting requests==2.32.5 (from -r requirements.txt (line 8))
Using cached requests-2.32.5-py3-none-any.whl.metadata (4.9 kB)

Collecting six==1.17.0 (from -r requirements.txt (line 9))
Using cached six-1.17.0-py2.py3-none-any.whl.metadata (1.7 kB)

Collecting tzdata==2025.2 (from -r requirements.txt (line 10))
Using cached tzdata=2025.2 (from -r requirements.txt (line 10))
Using cached urllib3==2.5.0 (from -r requirements.txt (line 11))
Using cached urllib3=2.5.0-py3-none-any.whl.metadata (6.5 kB)
Using cached certifi-2025.8.3-py3-none-any.whl (161 kB)
Using cached charset_normalizer-3.4.3-cp311-cp311-win_amd64.whl (107 kB)
Using cached numpy-2.3.3-cp311-cp311-win_amd64.whl (13.1 MB)
Using cached pandas-2.3.2-cp311-cp311-win_amd64.whl (11.3 MB)
Using cached pytz-2025.2-py2.py3-none-any.whl (509 kB)
Using cached pytz-2025.2-py2.py3-none-any.whl (64 kB)
Using cached six-1.17.0-py2.py3-none-any.whl (11 kB)
Using cached tzdata-2025.2-py2.py3-none-any.whl (129 kB)
Using cached urllib3-2.5.0-py3-none-any.whl (129 kB)
   quests, python-dateutil, pandas
Successfully installed certifi-2025.8.3 charset-normalizer-3.4.3 idna-3.10 numpy-2.3.3 pandas-2.3.2 pyt
hon-dateutil-2.9.0.post0 pytz-2025.2 requests-2.32.5 six-1.17.0 tzdata-2025.2 urllib3-2.5.0
   [notice] A new release of pip is available: 24.0 -> 25.2
[notice] To update, run: python.exe -m pip install --upgrade pip
    (new_homework_project) C:\Users\Palaz>
```

```
(new_homework_project) C:\Users\Palaz>pip list
                      Version
Package
certifi
                      2025.8.3
charset-normalizer 3.4.3
                      3.10
idna
                      2.3.3
numpy
pandas
                      24.0
pip
python-dateutil
                      2.9.0.post0
                      2025.2
pytz
requests
                      2.32.5
setuptools
                      65.5.0
                      1.17.0
six
tzdata
                      2025.2
urllib3
[notice] A new release of pip is available: 24.0 -> 25.2
[notice] To update, run: python.exe -m pip install --upgrade pip
(new_homework_project) C:\Users\Palaz>
```



