Creando un entorno virtual e instalando una biblioteca.

```
C:\WINDOWS\system32\cmd.exe                                    —    □    ✕

Microsoft Windows [Version 10.0.22000.434]
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C:\Users\Ricky UV>python -m venv env

C:\Users\Ricky UV>env\Scripts\activate

(env) C:\Users\Ricky UV>pip freeze

(env) C:\Users\Ricky UV>pip install python-dateutil
Collecting python-dateutil
  Using cached python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
Collecting six>=1.5
  Using cached six-1.16.0-py2.py3-none-any.whl (11 kB)
Installing collected packages: six, python-dateutil
Successfully installed python-dateutil-2.8.2 six-1.16.0
WARNING: You are using pip version 21.2.3; however, version 22.0.3 is availabl
e.
You should consider upgrading via the 'C:\Users\Ricky UV\env\Scripts\python.ex
e -m pip install --upgrade pip' command.

(env) C:\Users\Ricky UV>pip freeze
python-dateutil==2.8.2
six==1.16.0

(env) C:\Users\Ricky UV>
```

A continuación se muestran algunos intentos fallidos al crear un entorno virtual:

Desactivar un entorno virtual:

```
(env) C:\Users\Ricky UV>deactivate
C:\Users\Ricky UV>
```

A continuación se muestra el contenido de las carpetas que contiene el entorno virtual:

```
You should consider upgrading via the 'C:\Program Files\Python39\python.exe -m pip install --upgrade pip' command.
PS C:\Users\Ricky UV\Documents\Full Stack Developer> ls


    Directory: C:\Users\Ricky UV\Documents\Full Stack Developer


Mode                 LastWriteTime         Length Name
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d-----         2/8/2022   4:29 PM                env

PS C:\Users\Ricky UV\Documents\Full Stack Developer> cd env
PS C:\Users\Ricky UV\Documents\Full Stack Developer\env> ls


    Directory: C:\Users\Ricky UV\Documents\Full Stack Developer\env


Mode                 LastWriteTime         Length Name
----                 -------------         ------ ----
d-----         2/8/2022   4:29 PM                Include
d-----         2/8/2022   4:29 PM                Lib
d-----         2/8/2022   4:29 PM                Scripts
-a----         2/8/2022   4:56 PM            168 pyvenv.cfg

PS C:\Users\Ricky UV\Documents\Full Stack Developer\env> cd Lib
PS C:\Users\Ricky UV\Documents\Full Stack Developer\env\Lib> ls


    Directory: C:\Users\Ricky UV\Documents\Full Stack Developer\env\Lib


Mode                 LastWriteTime         Length Name
----                 -------------         ------ ----
d-----         2/8/2022   4:29 PM                site-packages

PS C:\Users\Ricky UV\Documents\Full Stack Developer\env\Lib>
```

Mostrando los paquetes instalados en el entorno virtual con el comando pip freeze desde consola:

```
Flask==2.0.1
Flask-MySQLdb==0.2.0
fonttools==4.29.1
iniconfig==1.1.1
ipykernel==6.9.0
ipython==8.0.1
ipython-genutils==0.2.0
ipywidgets==7.6.5
itsdangerous==2.0.1
jedi==0.18.1
Jinja2==3.0.1
jsonschema==4.4.0
jupyter-client==7.1.2
jupyter-core==4.9.1
jupyterlab-pygments==0.1.2
jupyterlab-widgets==1.0.2
kiwisolver==1.3.2
MarkupSafe==2.0.1
om    ⊕ Open In Browser
```

```
PS C:\Users\Ricky UV\Documents\Full Stack Developer> pip freeze
argon2-cffi==21.3.0
argon2-cffi-bindings==21.2.0
asttokens==2.0.5
atomicwrites==1.4.0
attrs==21.2.0
backcall==0.2.0
black==22.1.0
bleach==4.1.0
cffi==1.15.0
click==8.0.1
colorama==0.4.4
cycler==0.11.0
debugpy==1.5.1
decorator==5.1.0
defusedxml==0.7.1
distlib==0.3.4
entrypoints==0.4
executing==0.8.2
filelock==3.4.2
Flask==2.0.1
```

```
parso==0.8.3
pathspec==0.9.0
pdfkit==0.6.1
pickleshare==0.7.5
Pillow==9.0.1
platformdirs==2.4.1
pluggy==1.0.0
prometheus-client==0.13.1
prompt-toolkit==3.0.27
pure-eval==0.2.2
py==1.10.0
pycparser==2.21
Pygments==2.11.2
PyMySQL==1.0.2
pynumbat==0.0.5
pyparsing==2.4.7
pyrsistent==0.18.1
pytest==6.2.5
```

```
python-dateutil==2.8.2
pywin32==303
pywinpty==2.0.2
pyzmq==22.3.0
self==2020.12.3
Send2Trash==1.8.0
six==1.16.0
stack-data==0.1.4
terminado==0.13.1
testpath==0.5.0
toml==0.10.2
tomli==2.0.0
tornado==6.1
traitlets==5.1.1
typing_extensions==4.0.1
virtualenv==20.13.1
wcwidth==0.2.5
webencodings==0.5.1
Werkzeug==2.0.1
widgetsnbextension==3.5.2
```

Paquete instalado en el programa "app.py" para llamar al comando pipdate:

```python
from datetime import *
from dateutil.relativedelta import *
now = datetime.now()
print(now)

now = now + relativedelta(months=1, weeks=1, hour=10)
print(now)
```