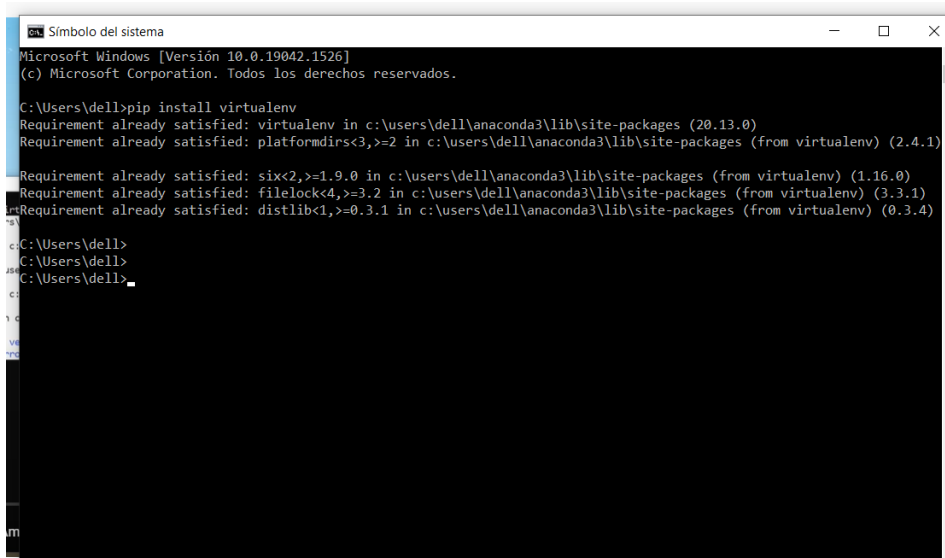


Ejercicio. - Crear un paquete

Crear entorno virtual

Instalamos virtualenv

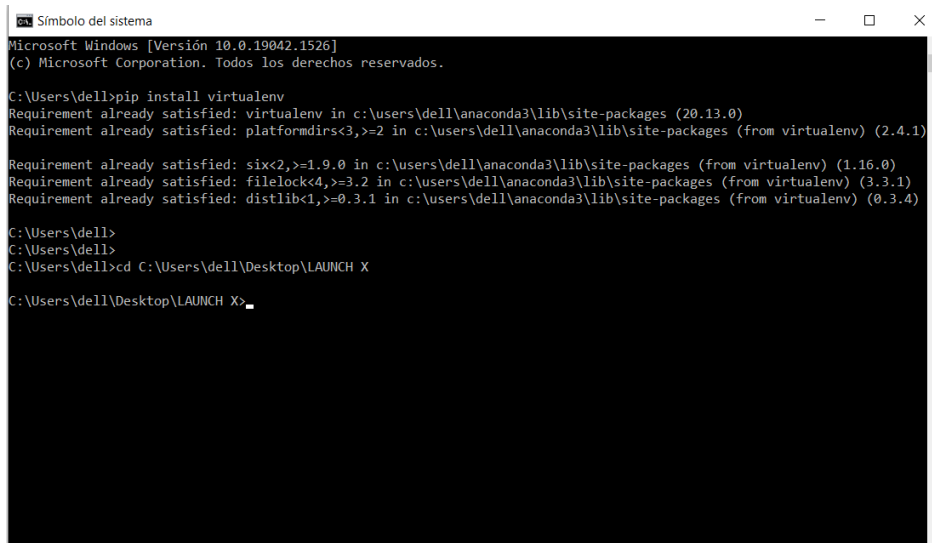


```
Símbolo del sistema
Microsoft Windows [Versión 10.0.19042.1526]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\dell>pip install virtualenv
Requirement already satisfied: virtualenv in c:\users\dell\anaconda3\lib\site-packages (20.13.0)
Requirement already satisfied: platformdirs<3,>=2 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (2.4.1)
Requirement already satisfied: six<2,>=1.9.0 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (1.16.0)
Requirement already satisfied: filelock<4,>=3.2 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (3.3.1)
Requirement already satisfied: distlib<1,>=0.3.1 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (0.3.4)

C:\Users\dell>
C:\Users\dell>
C:\Users\dell>
```

Nos movemos a la carpeta donde queremos crear el entorno virtual



```
Símbolo del sistema
Microsoft Windows [Versión 10.0.19042.1526]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\dell>pip install virtualenv
Requirement already satisfied: virtualenv in c:\users\dell\anaconda3\lib\site-packages (20.13.0)
Requirement already satisfied: platformdirs<3,>=2 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (2.4.1)
Requirement already satisfied: six<2,>=1.9.0 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (1.16.0)
Requirement already satisfied: filelock<4,>=3.2 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (3.3.1)
Requirement already satisfied: distlib<1,>=0.3.1 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (0.3.4)

C:\Users\dell>
C:\Users\dell>
C:\Users\dell>cd C:\Users\dell\Desktop\LAUNCH X

C:\Users\dell\Desktop\LAUNCH X>
```

Y procedemos a crear el entorno virtual

```
Selecciconar Símbolo del sistema
Microsoft Windows [Versión 10.0.19042.1526]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\dell>pip install virtualenv
Requirement already satisfied: virtualenv in c:\users\dell\anaconda3\lib\site-packages (20.13.0)
Requirement already satisfied: platformdirs<3,>=2 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (2.4.1)
Requirement already satisfied: six<2,>=1.9.0 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (1.16.0)
Requirement already satisfied: filelock<4,>=3.2 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (3.3.1)
Requirement already satisfied: distlib<1,>=0.3.1 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (0.3.4)

C:\Users\dell>
C:\Users\dell>
C:\Users\dell>cd C:\Users\dell\Desktop\LAUNCH X

C:\Users\dell\Desktop\LAUNCH X>virtualenv env
created virtual environment CPython3.9.7.final.0-64 in 16368ms
  creator CPython3Windows(dest=C:\Users\dell\Desktop\LAUNCH X\env, clear=False, no_vcs_ignore=False, global=False)
  seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_data_dir=C:\Users\dell\AppData\Local\pypa\virtualenv)
    added seed packages: pip==21.3.1, setuptools==60.5.0, wheel==0.37.1
    activators BashActivator,BatchActivator,FishActivator,NushellActivator,PowerShellActivator,PythonActivator

C:\Users\dell\Desktop\LAUNCH X>
```

Nos movemos a la siguiente dirección

```
Selecciconar Símbolo del sistema
Microsoft Windows [Versión 10.0.19042.1526]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\dell>pip install virtualenv
Requirement already satisfied: virtualenv in c:\users\dell\anaconda3\lib\site-packages (20.13.0)
Requirement already satisfied: platformdirs<3,>=2 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (2.4.1)
Requirement already satisfied: six<2,>=1.9.0 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (1.16.0)
Requirement already satisfied: filelock<4,>=3.2 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (3.3.1)
Requirement already satisfied: distlib<1,>=0.3.1 in c:\users\dell\anaconda3\lib\site-packages (from virtualenv) (0.3.4)

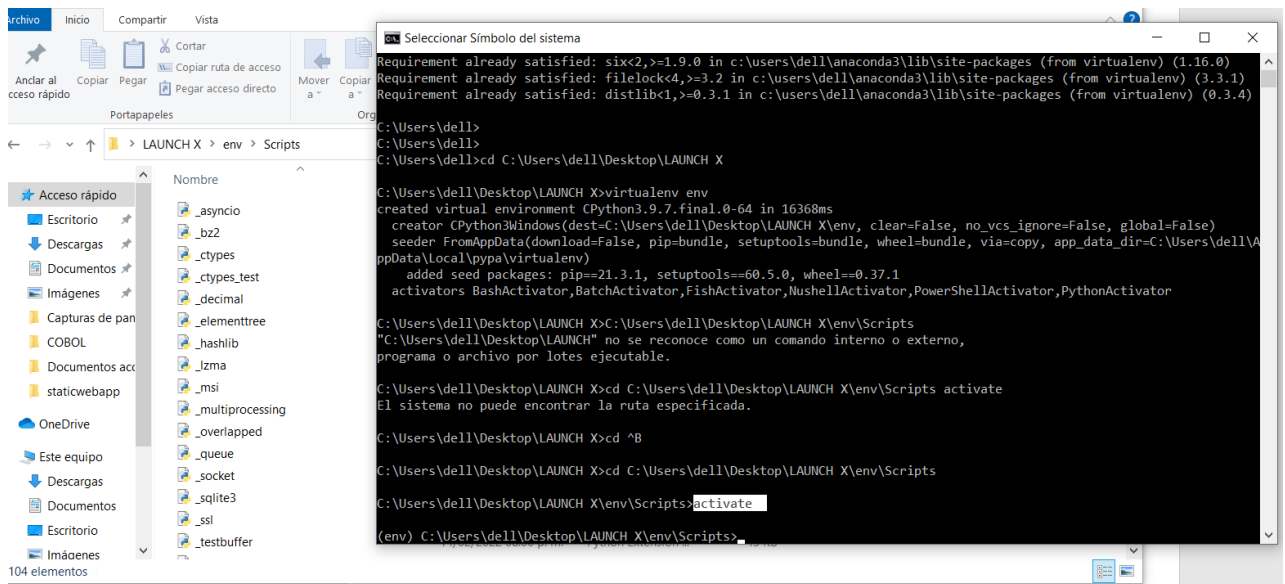
C:\Users\dell>
C:\Users\dell>
C:\Users\dell>cd C:\Users\dell\Desktop\LAUNCH X

C:\Users\dell\Desktop\LAUNCH X>virtualenv env
created virtual environment CPython3.9.7.final.0-64 in 16368ms
  creator CPython3Windows(dest=C:\Users\dell\Desktop\LAUNCH X\env, clear=False, no_vcs_ignore=False, global=False)
  seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_data_dir=C:\Users\dell\AppData\Local\pypa\virtualenv)
    added seed packages: pip==21.3.1, setuptools==60.5.0, wheel==0.37.1
    activators BashActivator,BatchActivator,FishActivator,NushellActivator,PowerShellActivator,PythonActivator

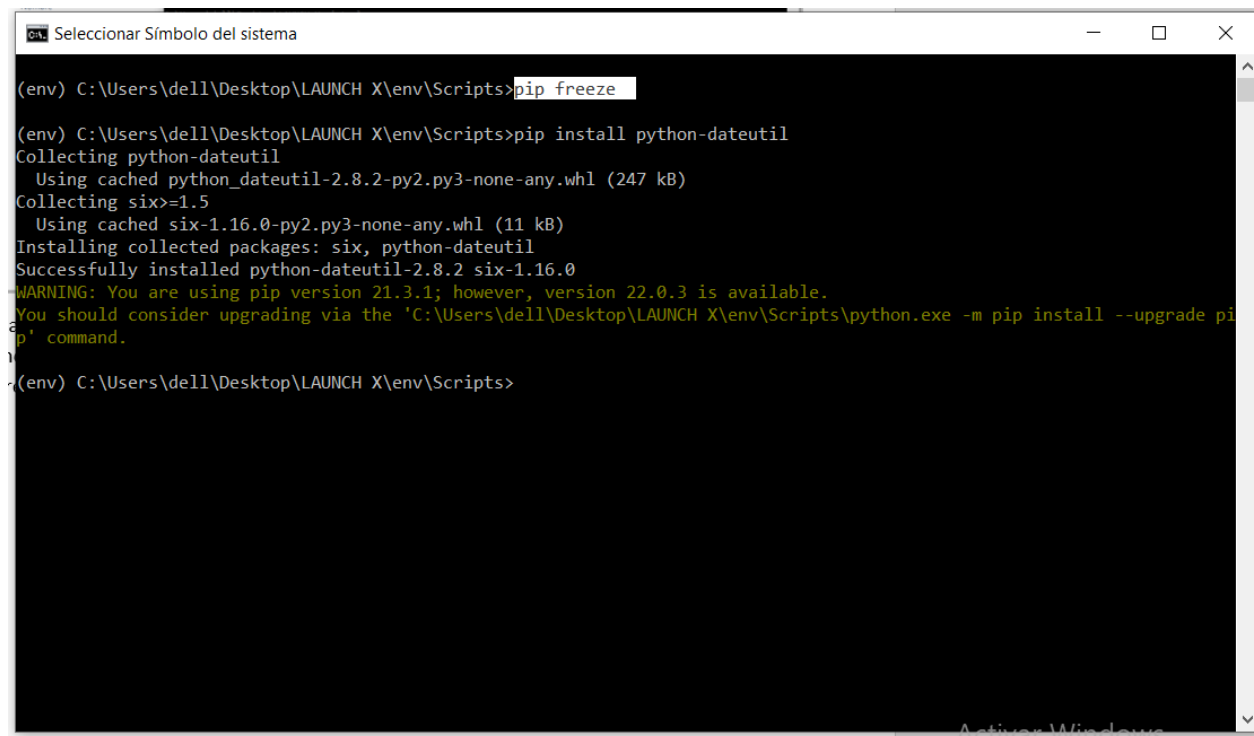
C:\Users\dell\Desktop\LAUNCH X>C:\Users\dell\Desktop\LAUNCH X\env\Scripts
"C:\Users\dell\Desktop\LAUNCH X\env\Scripts" no se reconoce como un comando interno o externo,
programa o archivo por lotes ejecutable.

C:\Users\dell\Desktop\LAUNCH X>cd C:\Users\dell\Desktop\LAUNCH X\env\Scripts
```

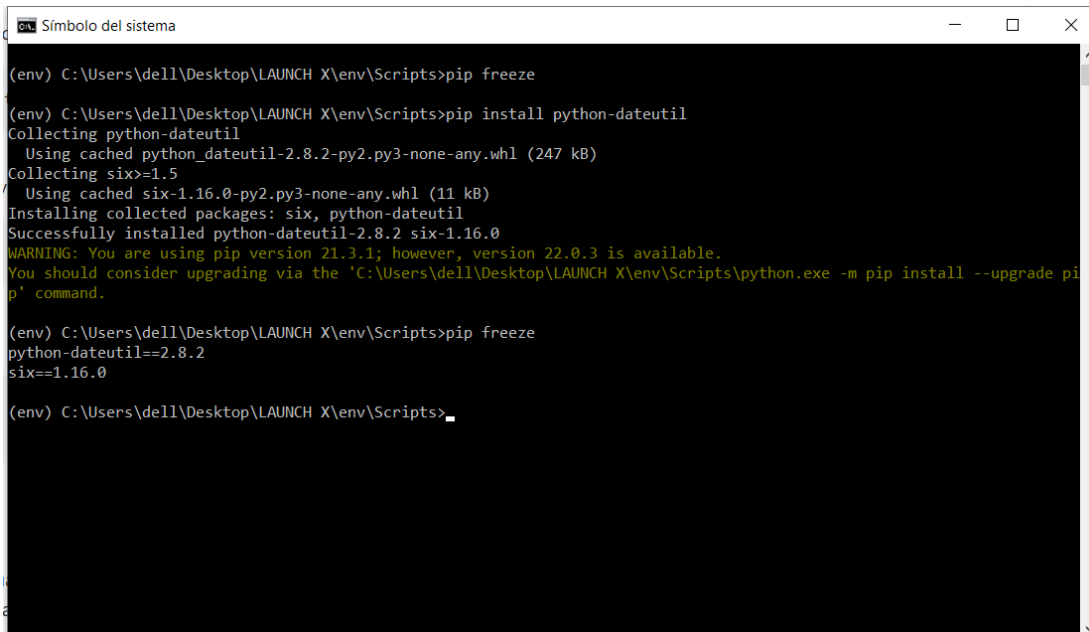
Usamos el script actívale y se debería activar el entorno



Luego utilizamos el comando `-pip freeze` para revisar que bibliotecas tenemos instaladas, sale en blanco, luego usamos el comando `-pip install python-dateutil` para instalar la primera librería.



Volvemos a ejecutar el comando `-pip freeze` y nos arroja lo siguiente



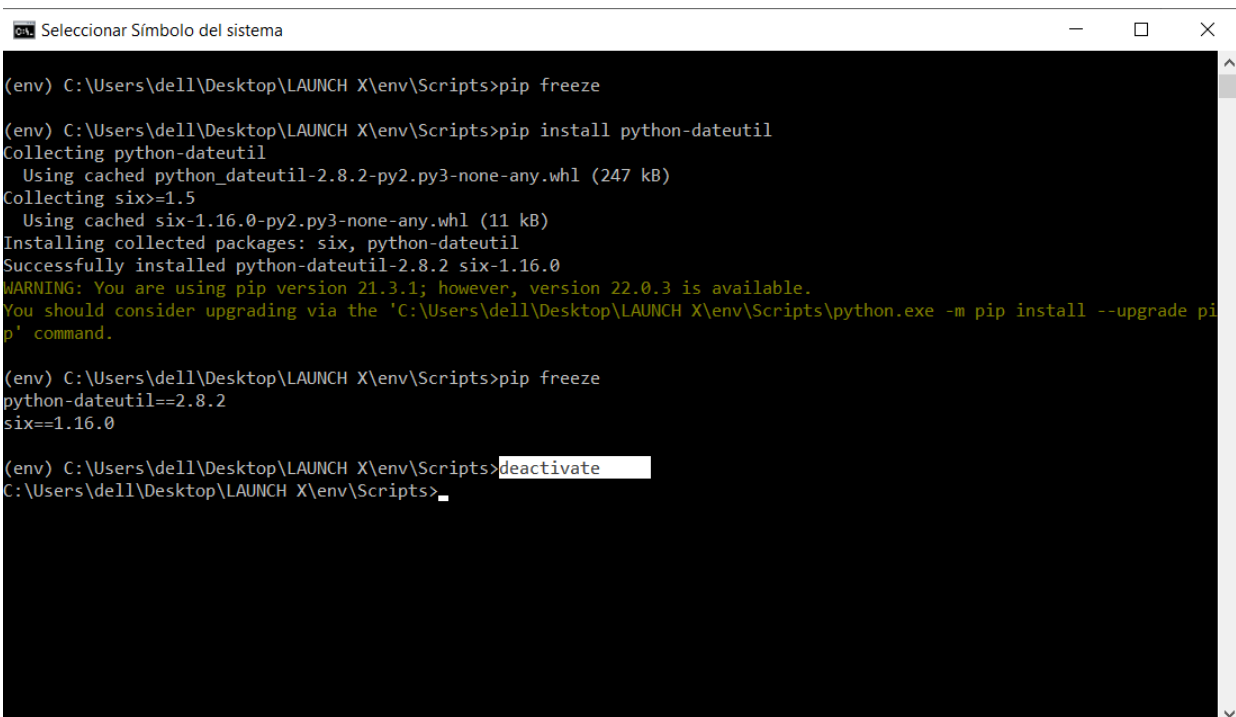
```
(env) C:\Users\dell\Desktop\LAUNCH X\env\Scripts>pip freeze

(env) C:\Users\dell\Desktop\LAUNCH X\env\Scripts>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 21.3.1; however, version 22.0.3 is available.
You should consider upgrading via the 'C:\Users\dell\Desktop\LAUNCH X\env\Scripts\python.exe -m pip install --upgrade pip' command.

(env) C:\Users\dell\Desktop\LAUNCH X\env\Scripts>pip freeze
python-dateutil==2.8.2
six==1.16.0

(env) C:\Users\dell\Desktop\LAUNCH X\env\Scripts>
```

Finalmente desactivamos el entorno con el comando `-deactivate`



```
(env) C:\Users\dell\Desktop\LAUNCH X\env\Scripts>pip freeze

(env) C:\Users\dell\Desktop\LAUNCH X\env\Scripts>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 21.3.1; however, version 22.0.3 is available.
You should consider upgrading via the 'C:\Users\dell\Desktop\LAUNCH X\env\Scripts\python.exe -m pip install --upgrade pip' command.

(env) C:\Users\dell\Desktop\LAUNCH X\env\Scripts>pip freeze
python-dateutil==2.8.2
six==1.16.0

(env) C:\Users\dell\Desktop\LAUNCH X\env\Scripts>deactivate
C:\Users\dell\Desktop\LAUNCH X\env\Scripts>
```