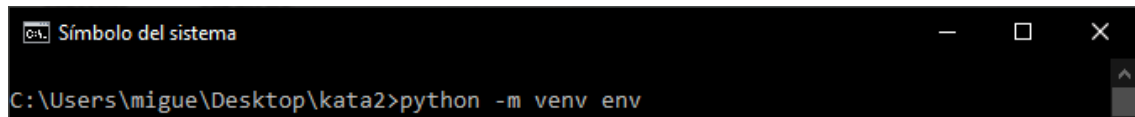


# Kata 2 – Crear un paquete

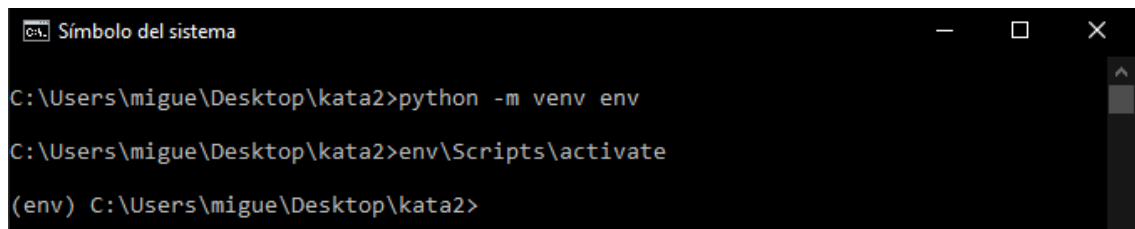
## Crear un entorno virtual

1.- Crear un entorno virtual mediante venv, ejecutando en la terminal `python -m venv env`



```
Símbolo del sistema
C:\Users\miguel\Desktop\kata2>python -m venv env
```

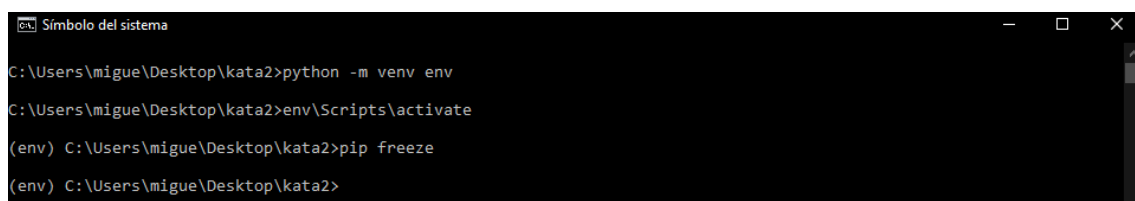
2.- Ejecutar el comando para activar el entorno virtual: `env\Scripts\activate`



```
Símbolo del sistema
C:\Users\miguel\Desktop\kata2>python -m venv env
C:\Users\miguel\Desktop\kata2>env\Scripts\activate
(env) C:\Users\miguel\Desktop\kata2>
```

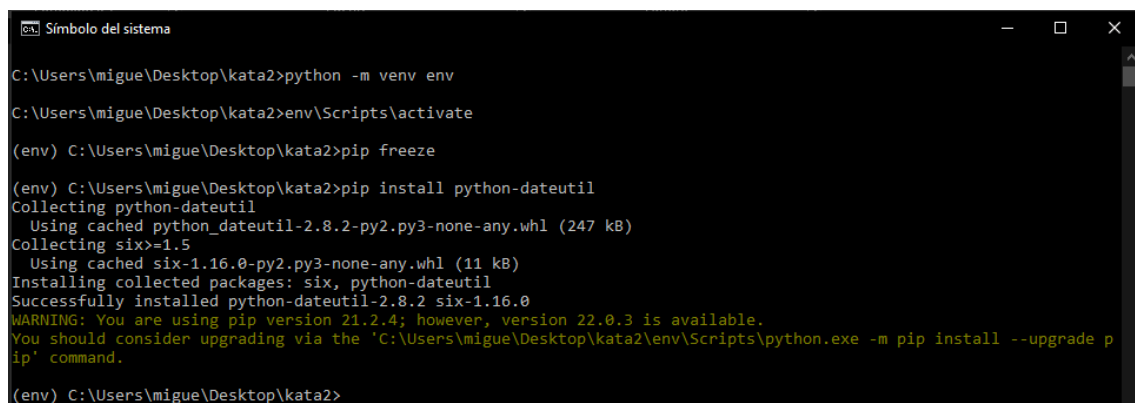
## Instalar una biblioteca

1.- Ejecutar el comando `pip freeze` para ver las bibliotecas instaladas en el entorno



```
Símbolo del sistema
C:\Users\miguel\Desktop\kata2>python -m venv env
C:\Users\miguel\Desktop\kata2>env\Scripts\activate
(env) C:\Users\miguel\Desktop\kata2>pip freeze
(env) C:\Users\miguel\Desktop\kata2>
```

2.- Ejecutar el comando `pip install` para instalar una biblioteca



```
Símbolo del sistema
C:\Users\miguel\Desktop\kata2>python -m venv env
C:\Users\miguel\Desktop\kata2>env\Scripts\activate
(env) C:\Users\miguel\Desktop\kata2>pip freeze
(env) C:\Users\miguel\Desktop\kata2>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 21.2.4; however, version 22.0.3 is available.
You should consider upgrading via the 'C:\Users\miguel\Desktop\kata2\env\Scripts\python.exe -m pip install --upgrade pip' command.
(env) C:\Users\miguel\Desktop\kata2>
```

### 3.- Ejecutar el comando `pip freeze` para ver la biblioteca instalada en el entorno

```
Símbolo del sistema

C:\Users\miguel\Desktop\kata2>python -m venv env
C:\Users\miguel\Desktop\kata2>env\Scripts\activate
(env) C:\Users\miguel\Desktop\kata2>pip freeze
(env) C:\Users\miguel\Desktop\kata2>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 21.2.4; however, version 22.0.3 is available.
You should consider upgrading via the 'C:\Users\miguel\Desktop\kata2\env\Scripts\python.exe -m pip install --upgrade pip' command.
(env) C:\Users\miguel\Desktop\kata2>pip freeze
python-dateutil==2.8.2
six==1.16.0
(env) C:\Users\miguel\Desktop\kata2>
```

## Desactivar el entorno virtual

### 1.- Ejecutar el comando `deactivate`

```
Símbolo del sistema

C:\Users\miguel\Desktop\kata2>python -m venv env
C:\Users\miguel\Desktop\kata2>env\Scripts\activate
(env) C:\Users\miguel\Desktop\kata2>pip freeze
(env) C:\Users\miguel\Desktop\kata2>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 21.2.4; however, version 22.0.3 is available.
You should consider upgrading via the 'C:\Users\miguel\Desktop\kata2\env\Scripts\python.exe -m pip install --upgrade pip' command.
(env) C:\Users\miguel\Desktop\kata2>pip freeze
python-dateutil==2.8.2
six==1.16.0
(env) C:\Users\miguel\Desktop\kata2>deactivate
C:\Users\miguel\Desktop\kata2>
```