

Evidencia Kata 2.

“Crear un entorno virtual”.

Instalar virtualenv.

```
C:\Users\52551\Documents>pip install virtualenv
```

Crear el entorno:

```
C:\Windows>cd..
C:\>cd Users
C:\Users>dir
El volumen de la unidad C es Windows
El número de serie del volumen es: A2FC-FA66

Directorio de C:\Users

09/12/2020  06:50 p. m.  <DIR>          .
09/12/2020  06:50 p. m.  <DIR>          ..
07/02/2022  12:29 a. m.  <DIR>          52551
22/09/2020  05:47 p. m.  <DIR>          Public
                0 archivos                0 bytes
                4 dirs  408,811,397,120 bytes libres

C:\Users>cd 52551
C:\Users\52551>cd Documents
C:\Users\52551\Documents>python -m venv env
C:\Users\52551\Documents>dir
El volumen de la unidad C es Windows
El número de serie del volumen es: A2FC-FA66

Directorio de C:\Users\52551\Documents
```

Activar en entorno virtual:

```
C:\Users\52551\Documents>dir
El volumen de la unidad C es Windows
El número de serie del volumen es: A2FC-FA66

Directorio de C:\Users\52551\Documents

08/02/2022  07:44 a. m.    <DIR>        .
08/02/2022  07:44 a. m.    <DIR>        ..
08/02/2022  07:08 a. m.    <DIR>        CursoIntro-main
08/02/2022  07:44 a. m.    <DIR>        env
08/02/2022  07:31 a. m.    <DIR>        todo
                0 archivos                0 bytes
                5 dirs  408,798,662,656 bytes libres

C:\Users\52551\Documents>cd env

C:\Users\52551\Documents\env>dir
El volumen de la unidad C es Windows
El número de serie del volumen es: A2FC-FA66

Directorio de C:\Users\52551\Documents\env

08/02/2022  07:44 a. m.    <DIR>        .
08/02/2022  07:44 a. m.    <DIR>        ..
08/02/2022  07:44 a. m.    <DIR>        Include
08/02/2022  07:44 a. m.    <DIR>        Lib
08/02/2022  07:44 a. m.                119 pyvenv.cfg
08/02/2022  07:45 a. m.    <DIR>        Scripts
                1 archivos                119 bytes
                5 dirs  408,798,658,560 bytes libres

C:\Users\52551\Documents\env>env\Scripts\Activate
El sistema no puede encontrar la ruta especificada.

C:\Users\52551\Documents\env>cd..

C:\Users\52551\Documents>env\Scripts\Activate
(env) C:\Users\52551\Documents>
```

Instalar Python-dateutil:

```
(env) C:\Users\52551\Documents>cd entorno

(env) C:\Users\52551\Documents\entorno>pip install python-dateutil
Requirement already satisfied: python-dateutil in c:\users\52551\appdata\roaming\python\python310\site-packages (2.8.2)
Requirement already satisfied: six>=1.5 in c:\users\52551\appdata\roaming\python\python310\site-packages (from python-dateutil) (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\52551\AppData\Local\Programs\Python\Python310\python.exe -m pip install --upgrade pip' command.

(env) C:\Users\52551\Documents\entorno>dir
El volumen de la unidad C es Windows
El número de serie del volumen es: A2FC-FA66

Directorio de C:\Users\52551\Documents\entorno
08/02/2022  08:00 a. m.    <DIR>          .
08/02/2022  08:00 a. m.    <DIR>          ..
08/02/2022  07:44 a. m.    <DIR>          env
                0 archivos            0 bytes
                3 dirs  408,819,765,248 bytes libres

(env) C:\Users\52551\Documents\entorno>cd env
```

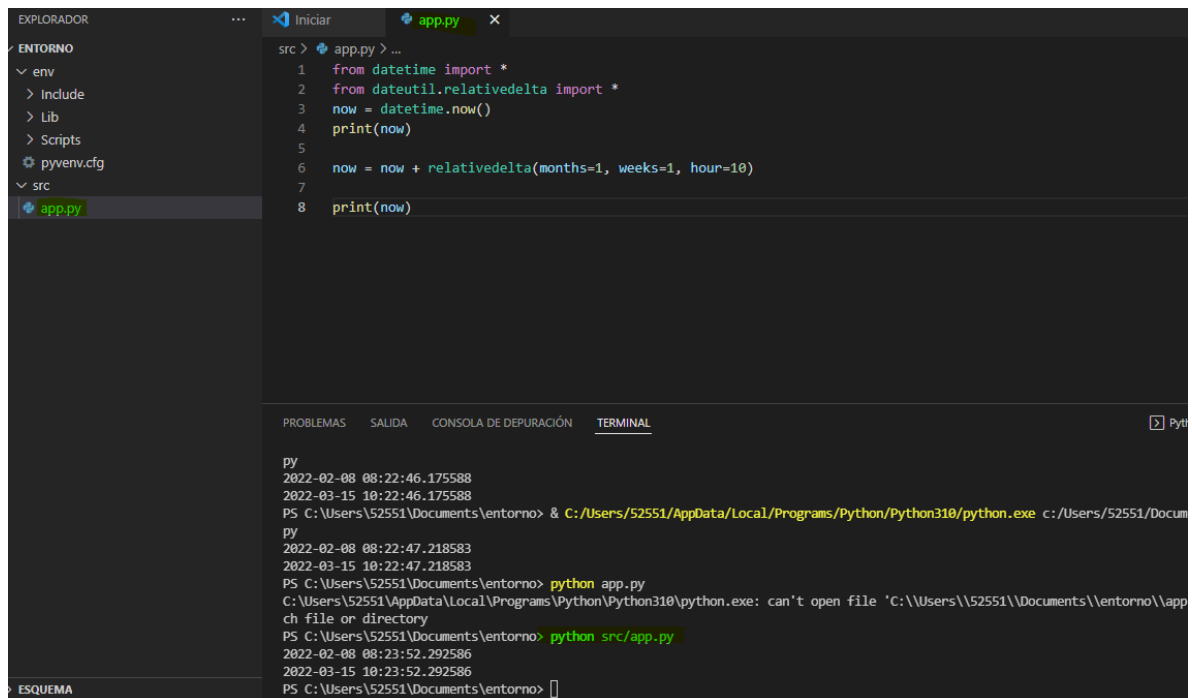
Ejecutar pip freeze para ver paquetes instalados:

```
(env) C:\Users\52551\Documents\entorno\env\Lib>pip freeze
argon2-cffi==21.3.0
argon2-cffi-bindings==21.2.0
asttokens==2.0.5
attrs==21.4.0
backcall==0.2.0
black==22.1.0
bleach==4.1.0
cffi==1.15.0
click==8.0.3
colorama==0.4.4
```

Salir del entorno virtual:

```
(env) C:\Users\52551\Documents\entorno>env\Scripts\deactivate
C:\Users\52551\Documents\entorno>
```

Usar paquete instalado:



The screenshot shows the Visual Studio Code interface. On the left, the Explorer pane shows a project structure with folders 'env', 'Include', 'Lib', 'Scripts', and 'src'. The 'src' folder is expanded, showing a file named 'app.py'. The main editor area displays the code for 'app.py':

```
src > app.py > ...
1 from datetime import *
2 from dateutil.relativedelta import *
3 now = datetime.now()
4 print(now)
5
6 now = now + relativedelta(months=1, weeks=1, hour=10)
7
8 print(now)
```

At the bottom, the TERMINAL pane shows the execution of the script. It displays the output of the script, which prints the current date and time, and then the date and time after adding one month, one week, and ten hours. The terminal also shows the command prompt and the execution of the script using the 'python' command.

```
py
2022-02-08 08:22:46.175588
2022-03-15 10:22:46.175588
PS C:\Users\52551\Documents\entorno> & C:/Users/52551/AppData/Local/Programs/Python/Python310/python.exe c:/Users/52551/Docum
py
2022-02-08 08:22:47.218583
2022-03-15 10:22:47.218583
PS C:\Users\52551\Documents\entorno> python app.py
C:\Users\52551\AppData\Local\Programs\Python\Python310\python.exe: can't open file 'C:\\Users\\52551\\Documents\\entorno\\app
ch file or directory
PS C:\Users\52551\Documents\entorno> python src/app.py
2022-02-08 08:23:52.292586
2022-03-15 10:23:52.292586
PS C:\Users\52551\Documents\entorno>
```