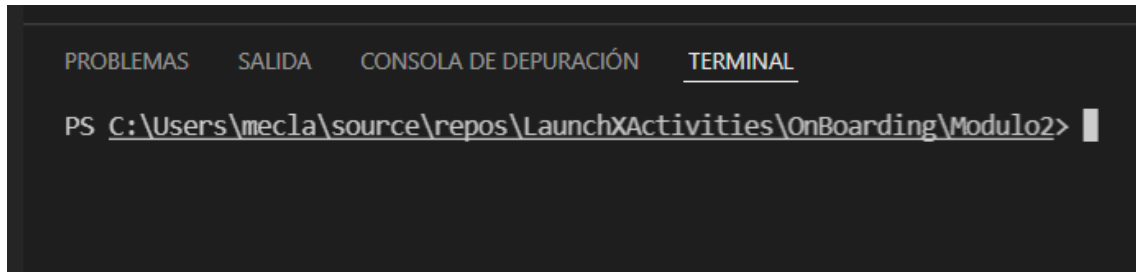


Crear un entorno virtual

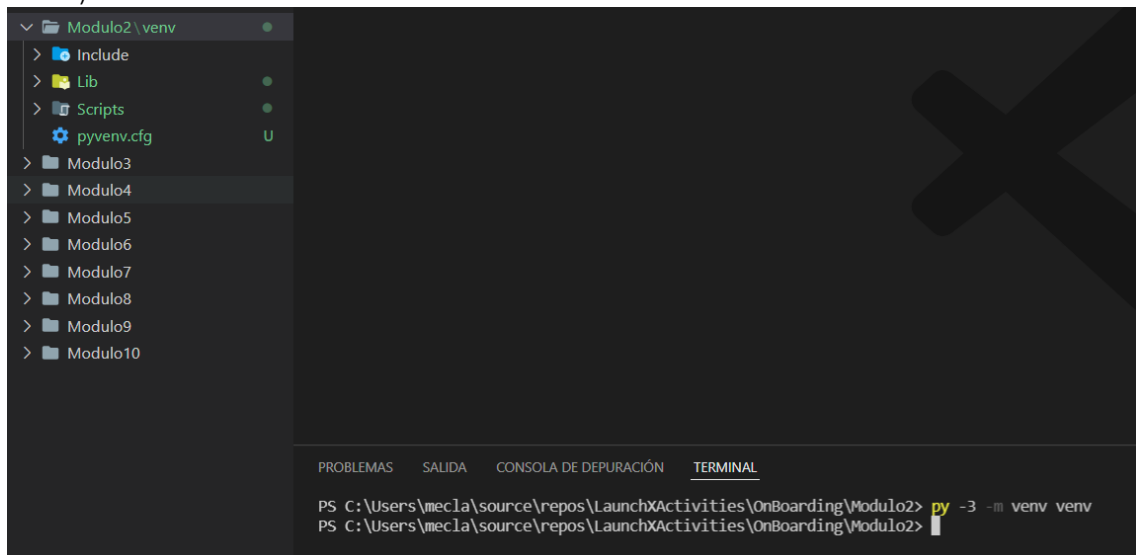
Paso 1.- Abrir la dirección en la terminal



```
PROBLEMAS  SALIDA  CONSOLA DE DEPURACIÓN  TERMINAL

PS C:\Users\mecla\source\repos\LaunchXActivities\OnBoarding\Modulo2>
```

Paso 2.- Utilizar el comando `python3 -m venv env` (actualizado a: `py -3 -m venv venv`)

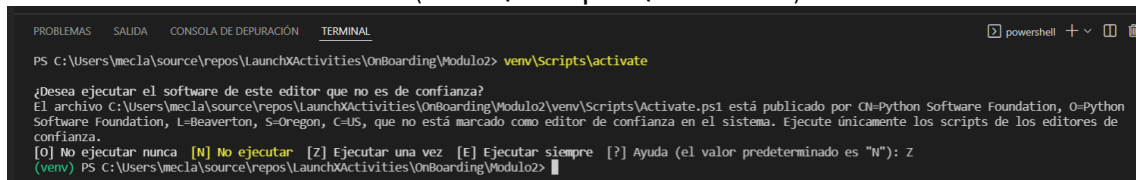


```
Modulo2 \venv
> Include
> Lib
> Scripts
> pyvenv.cfg
Modulo3
Modulo4
Modulo5
Modulo6
Modulo7
Modulo8
Modulo9
Modulo10

PROBLEMAS  SALIDA  CONSOLA DE DEPURACIÓN  TERMINAL

PS C:\Users\mecla\source\repos\LaunchXActivities\OnBoarding\Modulo2> py -3 -m venv venv
PS C:\Users\mecla\source\repos\LaunchXActivities\OnBoarding\Modulo2>
```

Paso 3.- Activar entorno virtual (`venv\Scripts\activate`)



```
PROBLEMAS  SALIDA  CONSOLA DE DEPURACIÓN  TERMINAL  powershell + - [ ] [ ]

PS C:\Users\mecla\source\repos\LaunchXActivities\OnBoarding\Modulo2> venv\Scripts\activate

¿Desea ejecutar el software de este editor que no es de confianza?
El archivo C:\Users\mecla\source\repos\LaunchXActivities\OnBoarding\Modulo2\venv\Scripts\Activate.ps1 está publicado por CN=Python Software Foundation, O=Python Software Foundation, L=Beaverton, S=Oregon, C=US, que no está marcado como editor de confianza en el sistema. Ejecute únicamente los scripts de los editores de confianza.
[0] No ejecutar nunca [N] No ejecutar [Z] Ejecutar una vez [E] Ejecutar siempre [?] Ayuda (el valor predeterminado es "N"): Z
(venv) PS C:\Users\mecla\source\repos\LaunchXActivities\OnBoarding\Modulo2>
```

Paquetes

Paso 1.- instalar con pip el paquete “dateutil - powerful extensions to datetime” con el comando (`pip install python-dateutil`)

```
PROBLEMAS  SALIDA  CONSOLA DE DEPURACIÓN  TERMINAL

(venv) PS C:\Users\mecla\source\repos\LaunchXActivities\OnBoarding\Modulo2> 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\mecla\source\repos\LaunchXActivities\OnBoarding\Modulo2\venv\Scripts\python.exe --upgrade pip' command.
(venv) PS C:\Users\mecla\source\repos\LaunchXActivities\OnBoarding\Modulo2> █
```

Paso 2.- Mostrar la lista de paquetes instalados con el comando (`pip freeze`)

```
PROBLEMAS  SALIDA  CONSOLA DE DEPURACIÓN  TERMINAL

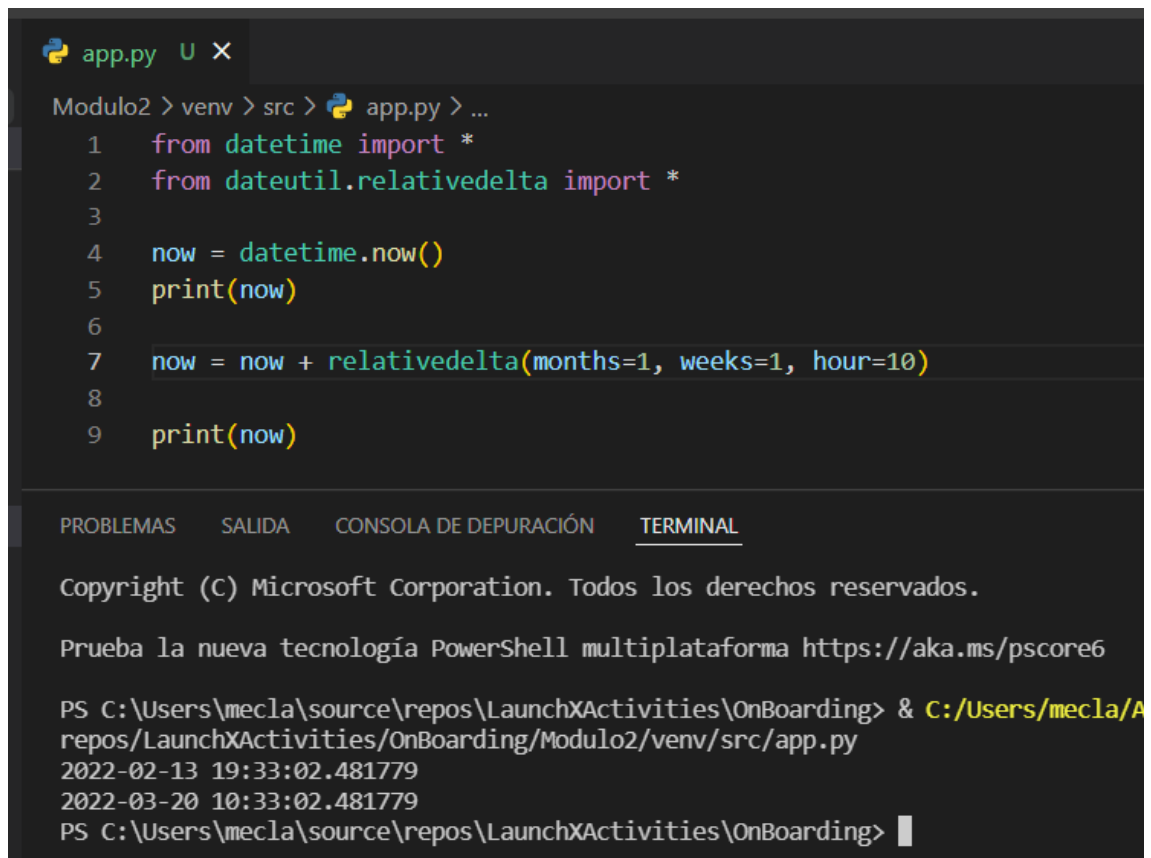
(venv) PS C:\Users\mecla\source\repos\LaunchXActivities\OnBoarding\Modulo2> pip freeze
python-dateutil==2.8.2
six==1.16.0
(venv) PS C:\Users\mecla\source\repos\LaunchXActivities\OnBoarding\Modulo2> █
```

Paso 3.- Desactivar el entorno virtual y comprobar su funcionamiento

```
PROBLEMAS  SALIDA  CONSOLA DE DEPURACIÓN  TERMINAL

(venv) PS C:\Users\mecla\source\repos\LaunchXActivities\OnBoarding\Modulo2> deactivate
PS C:\Users\mecla\source\repos\LaunchXActivities\OnBoarding\Modulo2> 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
cyclr==0.11.0
debugpy==1.5.1
decorator==5.1.1
defusedxml==0.7.1
entrypoints==0.4
executing==0.8.2
fonttools==4.29.1
ipykernel==6.8.0
ipython==8.0.1
ipython-genutils==0.2.0
ipywidgets==7.6.5
jedi==0.18.1
Jinja2==3.0.3
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
matplotlib==3.5.1
matplotlib-inline==0.1.3
mistune==0.8.4
mypy-extensions==0.4.3
nbclient==0.5.10
nbconvert==6.4.1
nbformat==5.1.3
nest-asyncio==1.5.4
notebook==6.4.8
```

Paso 4.- Usar paquete instalado:



The image shows a Visual Studio Code editor window with a file named `app.py` open. The file contains the following Python code:

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

Below the editor, the **TERMINAL** tab is active, displaying the following output:

```
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Prueba la nueva tecnología PowerShell multiplataforma https://aka.ms/pscore6

PS C:\Users\mecla\source\repos\LaunchXActivities\OnBoarding> & C:/Users/mecla/A
repos/LaunchXActivities/OnBoarding/Modulo2/venv/src/app.py
2022-02-13 19:33:02.481779
2022-03-20 10:33:02.481779
PS C:\Users\mecla\source\repos\LaunchXActivities\OnBoarding> █
```