



```

50 Collecting black
51   Downloading black-22.1.0-cp310-cp310-win_amd64.whl (1.1 MB)
52     |██████████████████████████████████████| 1.1 MB 6.4 MB/s
53 Collecting pickleshare
54   Downloading pickleshare-0.7.5-py2.py3-none-any.whl (6.9 kB)
55 Collecting backcall
56   Downloading backcall-0.2.0-py2.py3-none-any.whl (11 kB)
57 Requirement already satisfied: setuptools>=18.5 in
58 c:\users\USUARIO_PC\appdata\local\programs\python\python310\lib\site-packages (from ipython>=7.23.1-
59 >ipykernel) (57.4.0)
60 Collecting parso<0.9.0,>=0.8.0
61   Downloading parso-0.8.3-py2.py3-none-any.whl (100 kB)
62     |██████████████████████████████████████| 100 kB 1.4 MB/s
63 Collecting entrypoints
64   Downloading entrypoints-0.4-py3-none-any.whl (5.3 kB)
65 Collecting jupyter-core>=4.6.0
66   Downloading jupyter_core-4.9.1-py3-none-any.whl (86 kB)
67     |██████████████████████████████████████| 86 kB 1.4 MB/s
68 Collecting pyzmq>=13
69   Downloading pyzmq-22.3.0-cp310-cp310-win_amd64.whl (1.1 MB)
70     |██████████████████████████████████████| 1.1 MB ...
71 Collecting python-dateutil>=2.1
72   Downloading python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
73     |██████████████████████████████████████| 247 kB 6.8 MB/s
74 Collecting pywin32>=1.0
75   Downloading pywin32-303-cp310-cp310-win_amd64.whl (9.2 MB)
76     |██████████████████████████████████████| 9.2 MB ...
77 Collecting wcwidth
78   Downloading wcwidth-0.2.5-py2.py3-none-any.whl (30 kB)
79 Collecting six>=1.5
80   Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)
81 Collecting platformdirs>=2
82   Downloading platformdirs-2.5.0-py3-none-any.whl (14 kB)
83 Collecting pathspec>=0.9.0
84   Downloading pathspec-0.9.0-py2.py3-none-any.whl (31 kB)
85 Collecting click>=8.0.0
86   Downloading click-8.0.3-py3-none-any.whl (97 kB)
87     |██████████████████████████████████████| 97 kB 1.3 MB/s
88 Collecting tomli>=1.1.0
89   Downloading tomli-2.0.1-py3-none-any.whl (12 kB)
90 Collecting mypy-extensions>=0.4.3
91   Downloading mypy_extensions-0.4.3-py2.py3-none-any.whl (4.5 kB)
92 Collecting executing
93   Downloading executing-0.8.2-py2.py3-none-any.whl (16 kB)
94 Collecting pure-eval
95   Downloading pure_eval-0.2.2-py3-none-any.whl (11 kB)
96 Collecting asttokens
97   Downloading asttokens-2.0.5-py2.py3-none-any.whl (20 kB)
98 Using legacy 'setup.py install' for tornado, since package 'wheel' is not installed.
99 Installing collected packages: six, colorama, wcwidth, traitlets, tomli, pywin32, pure-eval, platformdirs,
100 pathspec, parso, mypy-extensions, executing, click, asttokens, tornado, stack-data, pyzmq, python-dateutil,
101 pygments, prompt-toolkit, pickleshare, nest-asyncio, matplotlib-inline, jupyter-core, jedi, entrypoints,
102 decorator, black, backcall, jupyter-client,
103 ipython, debugpy, ipykernel
104   Running setup.py install for tornado ... done

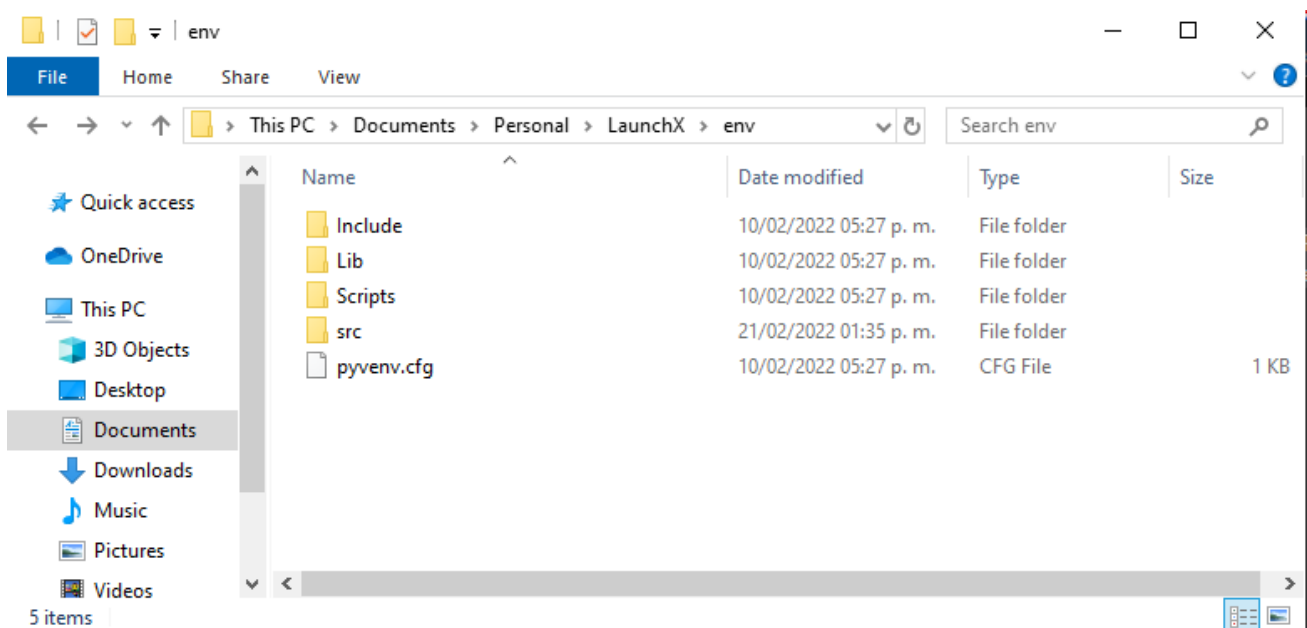
```

```

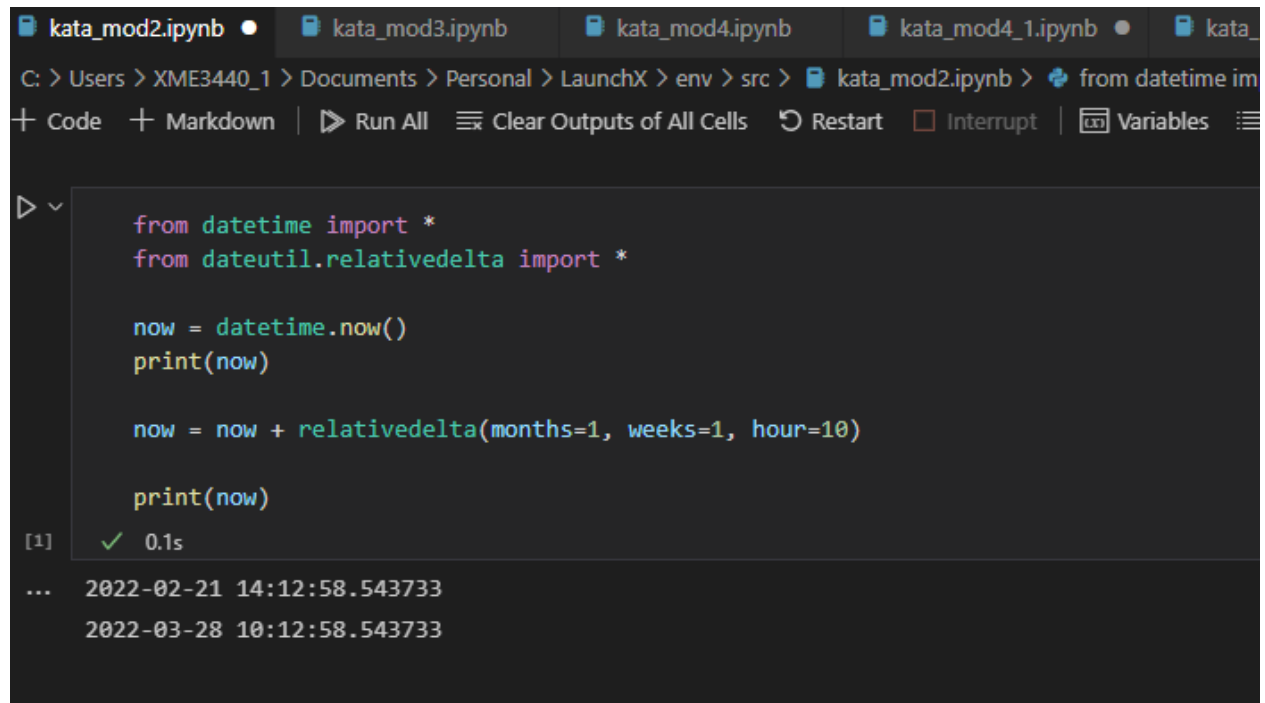
105 WARNING: The script pygmentize.exe is installed in
106 'C:\Users\USUARIO_PC\AppData\Local\Programs\Python\Python310\Scripts' which is not on PATH.
107 Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-
108 location.
    WARNING: The scripts jupyter-migrate.exe, jupyter-troubleshoot.exe and jupyter.exe are installed in
    'C:\Users\USUARIO_PC\AppData\Local\Programs\Python\Python310\Scripts' which is not on PATH.
    Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-
    location.
    WARNING: The scripts black-primer.exe, black.exe and blackd.exe are installed in
    'C:\Users\USUARIO_PC\AppData\Local\Programs\Python\Python310\Scripts' which is not on PATH.
    Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-
    location.
    WARNING: The scripts jupyter-kernel.exe, jupyter-kernelspec.exe and jupyter-run.exe are installed in
    'C:\Users\USUARIO_PC\AppData\Local\Programs\Python\Python310\Scripts' which is not on PATH.
    Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-
    location.
    WARNING: The scripts ipython.exe and ipython3.exe are installed in
    'C:\Users\USUARIO_PC\AppData\Local\Programs\Python\Python310\Scripts' which is not on PATH.
    Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-
    location.
Successfully installed asttokens-2.0.5 backcall-0.2.0 black-22.1.0 click-8.0.3 colorama-0.4.4 debugpy-1.5.1
decorator-5.1.1 entrypoints-0.4 executing-0.8.2 ipykernel-6.9.0 ipython-8.0.1 jedi-0.18.1 jupyter-client-
7.1.2 jupyter-core-4.9.1 matplotlib-inline-0.1.3 mpy-extensions-0.4.3 nest-asyncio-1.5.4 parso-0.8.3
pathspec-0.9.0 pickleshare-0.7.5 platformdirs-2.5.0 prompt-toolkit-3.0.27 pure-eval-0.2.2 pygments-2.11.2
python-dateutil-2.8.2 pywin32-303 pyzmq-22.3.0 six-1.16.0 stack-data-0.1.4 tomli-2.0.1 tornado-6.1
traitlets-5.1.1 wcwidth-0.2.5
WARNING: You are using pip version 21.2.3; however, version 22.0.3 is available.
You should consider upgrading via the
'C:\Users\USUARIO_PC\AppData\Local\Programs\Python\Python310\python.exe -m pip install --upgrade pip'
command.

```

### Captura del entorno virtual env creado:



## Creación y uso del paquete creado



The screenshot shows a Jupyter Notebook with several tabs at the top: `kata_mod2.ipynb` (active), `kata_mod3.ipynb`, `kata_mod4.ipynb`, `kata_mod4_1.ipynb`, and `kata_`. The active cell contains the following Python code:

```
from datetime import *
from dateutil.relativedelta import *

now = datetime.now()
print(now)

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

print(now)
```

The output of the cell is displayed below the code:

```
[1] ✓ 0.1s
... 2022-02-21 14:12:58.543733
    2022-03-28 10:12:58.543733
```