

```
C:\Users\SKY\Documents>mkdir PYTHON

C:\Users\SKY\Documents>cd PYTHON

C:\Users\SKY\Documents\PYTHON>mkdir proyecto_a

C:\Users\SKY\Documents\PYTHON>mkdir proyecto_A
Ya existe el subdirectorio o el archivo proyecto_A.

C:\Users\SKY\Documents\PYTHON>mkdir proyecto_A

C:\Users\SKY\Documents\PYTHON>cd proyecto_A

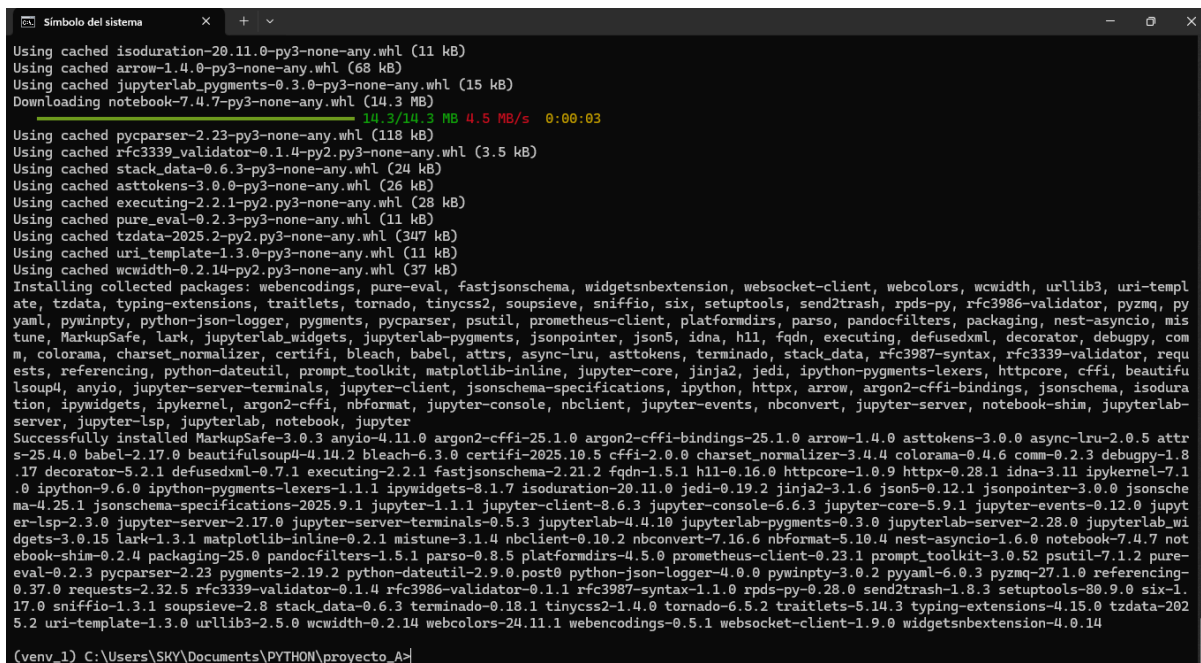
C:\Users\SKY\Documents\PYTHON\proyecto_A>|
```

```
C:\Users\SKY\Documents\PYTHON\proyecto_A>python -m venv venv_1

C:\Users\SKY\Documents\PYTHON\proyecto_A>|
```

```
C:\Users\SKY\Documents\PYTHON\proyecto_A>venv_1\Scripts\activate

(venv_1) C:\Users\SKY\Documents\PYTHON\proyecto_A>|
```

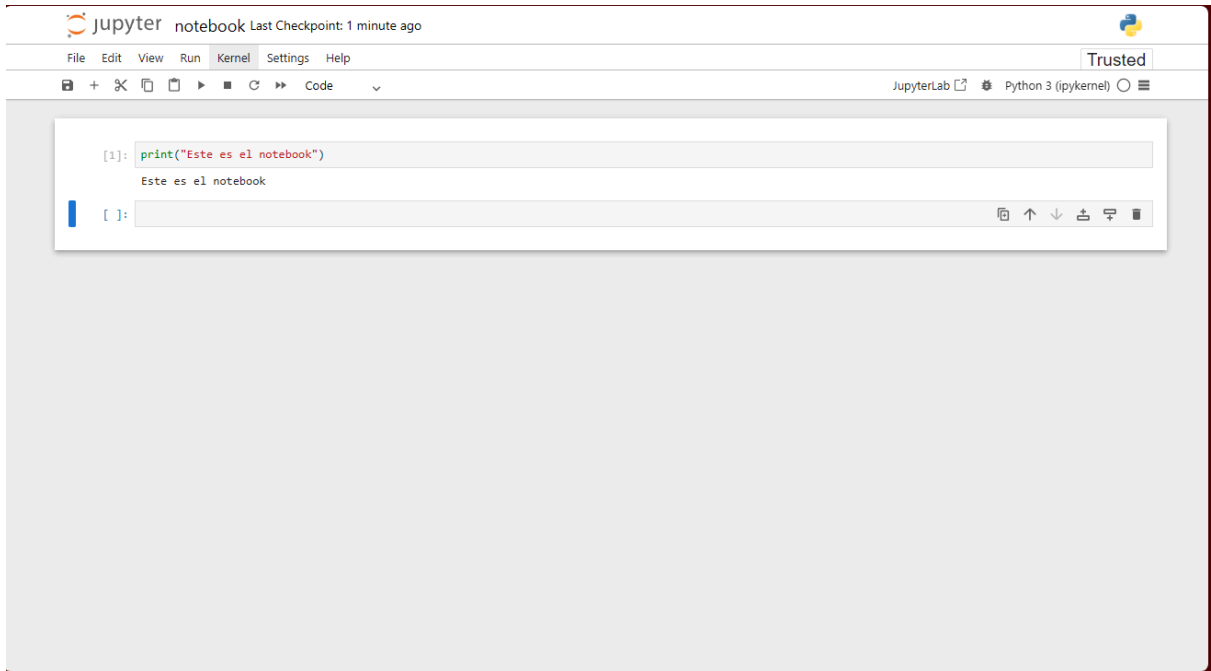
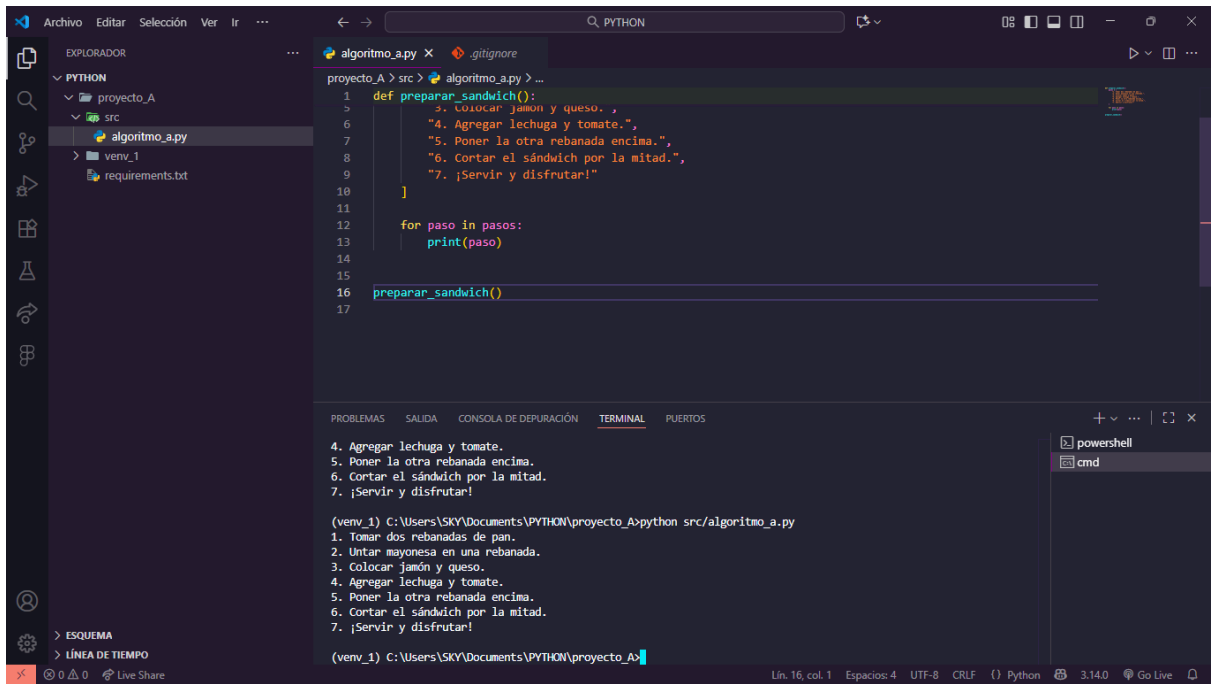


```
Símbolo del sistema
Using cached isoduration-20.11.0-py3-none-any.whl (11 kB)
Using cached arrow-1.4.0-py3-none-any.whl (68 kB)
Using cached jupyterlab_pygments-0.3.0-py3-none-any.whl (15 kB)
Downloading notebook-7.4.7-py3-none-any.whl (14.3 MB)
100% |#####| 14.3/14.3 MB 4.5 MB/s 0:00:03
Using cached pycparser-2.23-py3-none-any.whl (118 kB)
Using cached rfc3339_validator-0.1.4-py2.py3-none-any.whl (3.5 kB)
Using cached stack_data-0.6.3-py3-none-any.whl (24 kB)
Using cached asttokens-3.0.0-py3-none-any.whl (26 kB)
Using cached executing-2.2.1-py2.py3-none-any.whl (28 kB)
Using cached pure_eval-0.2.3-py3-none-any.whl (11 kB)
Using cached tzdata-2025.2-py2.py3-none-any.whl (347 kB)
Using cached uri_template-1.3.0-py3-none-any.whl (11 kB)
Using cached wcwidth-0.2.14-py2.py3-none-any.whl (37 kB)
Installing collected packages: webencodings, pure-eval, fastjsonschema, widgetsnbextension, websocket-client, webcolors, wcwidth, urllib3, uri-templ
ate, tzdata, typing-extensions, traitlets, tornado, tinycss2, soupsieve, sniffio, six, setuptools, send2trash, rpds-py, rfc3986-validator, pyzmq, py
yaml, pywinpty, python-json-logger, pygments, pycparser, psutil, prometheus-client, platformdirs, parso, pandocfilters, packaging, nest-asyncio, mis
tune, MarkupSafe, lark, jupyterlab_widgets, jupyterlab_pygments, jsonpointer, json5, idna, h11, fqdn, executing, defusedxml, decorator, debugpy, com
m, colorama, charset-normalizer, certifi, bleach, babel, attrs, async-lru, asttokens, terminado, stack_data, rfc3987-syntax, rfc3339-validator, requ
ests, referencing, python-dateutil, prompt_toolkit, matplotlib-inline, jupyter-core, Jinja2, jedi, ipython-pygments-lexers, httpcore, cffi, beautifu
lsoup4, anyio, jupyter-server-terminals, jupyter-client, jsonschema-specifications, ipython, httpx, arrow, argon2-cffi-bindings, jsonschema, isodura
tion, ipywidgets, ipykernel, argon2-cffi, nbformat, jupyter-console, nbclient, jupyter-events, nbconvert, jupyter-server, notebook-shim, jupyterlab-
server, jupyter-lsp, jupyterlab, notebook, jupyter
Successfully installed MarkupSafe-3.0.3 anyio-4.11.0 argon2-cffi-25.1.0 argon2-cffi-bindings-25.1.0 arrow-1.4.0 asttokens-3.0.0 async-lru-2.0.5 attr
s-25.4.0 babel-2.17.0 beautifulsoup4-4.14.2 bleach-6.3.0 certifi-2025.10.5 cffi-2.0.0 charset-normalizer-3.4.4 colorama-0.4.6 comm-0.2.3 debugpy-1.8
.17 decorator-5.2.1 defusedxml-0.7.1 executing-2.2.1 fastjsonschema-2.21.2 fqdn-1.5.1 h11-0.16.0 httpcore-1.0.9 httpx-0.28.1 idna-3.11 ipykernel-7.1
.0 ipython-9.6.0 ipython-pygments-lexers-1.1.1 ipywidgets-8.1.7 isoduration-20.11.0 jedi-0.19.2 Jinja2-3.1.6 json5-0.12.1 jsonpointer-3.0.0 jsonsche
ma-4.25.1 jsonschema-specifications-2025.9.1 jupyter-1.1.1 jupyter-client-8.6.3 jupyter-console-6.6.3 jupyter-core-5.9.1 jupyter-events-0.12.0 jupyt
er-lsp-2.3.0 jupyter-server-2.17.0 jupyter-server-terminals-0.5.3 jupyterlab-4.4.10 jupyterlab-pygments-0.3.0 jupyterlab-server-2.28.0 jupyterlab_wi
dgets-3.0.15 lark-1.3.1 matplotlib-inline-0.2.1 mistune-3.1.4 nbclient-0.10.2 nbconvert-7.16.6 nbformat-5.10.4 nest-asyncio-1.6.0 notebook-7.4.7 not
ebook-shim-0.2.4 packaging-25.0 pandocfilters-1.5.1 parso-0.8.5 platformdirs-4.5.0 prometheus-client-0.23.1 prompt_toolkit-3.0.52 psutil-7.1.2 pure-
eval-0.2.3 pycparser-2.23 pygments-2.19.2 python-dateutil-2.9.0.post0 python-json-logger-4.0.0 pywinpty-3.0.2 pyyaml-6.0.3 pyzmq-27.1.0 referencing-
0.37.0 requests-2.32.5 rfc3339-validator-0.1.4 rfc3986-validator-0.1.1 rfc3987-syntax-1.1.0 rpds-py-0.28.0 send2trash-1.8.3 setuptools-80.9.0 six-1
.17.0 sniffio-1.3.1 soupsieve-2.8 stack_data-0.6.3 terminado-0.18.1 tinycss2-1.4.0 tornado-6.5.2 traitlets-5.14.3 typing-extensions-4.15.0 tzdata-202
5.2 uri-template-1.3.0 urllib3-2.5.0 wcwidth-0.2.14 webcolors-24.11.1 webencodings-0.5.1 websocket-client-1.9.0 widgetsnbextension-4.0.14

(venv_1) C:\Users\SKY\Documents\PYTHON\proyecto_A>|
```

```
(venv_1) C:\Users\SKY\Documents\PYTHON\proyecto_A>pip freeze > requirements.txt
```

```
(venv_1) C:\Users\SKY\Documents\PYTHON\proyecto_A>|
```



```
algoritmo_a.py  algoritmo_b1.py  algoritmo_b2.py  .gitignore  requirements.txt x
proyecto_A > requirements.txt
1  numpy==2.3.4
2  pandas==2.3.3
3  python-dateutil==2.9.0.post0
4  pytz==2025.2
5  six==1.17.0
6  tzdata==2025.2
7
```

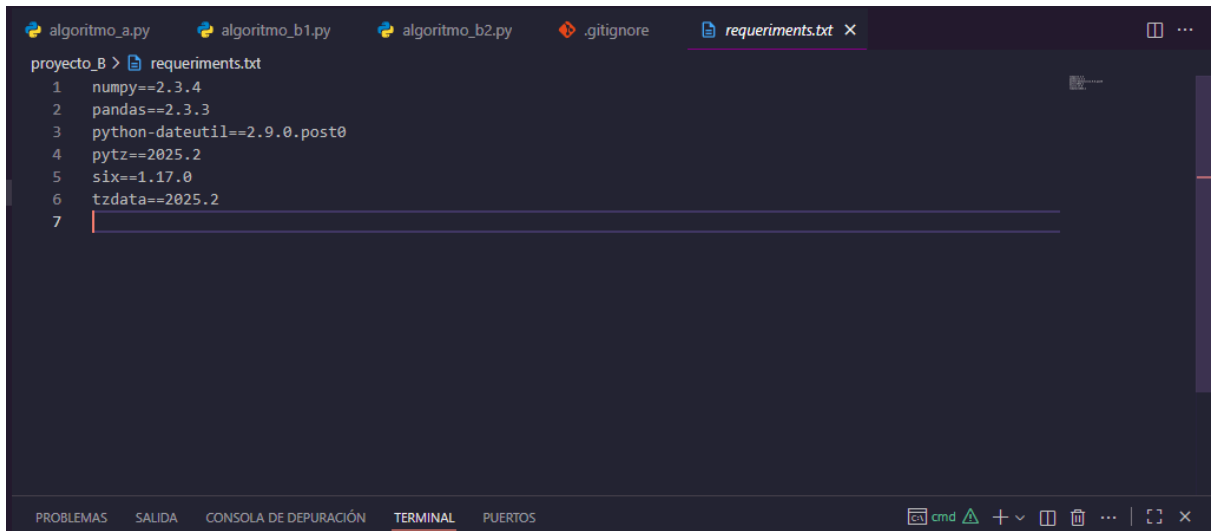
## proyecto b

```
PROBLEMAS  SALIDA  CONSOLA DE DEPURACIÓN  TERMINAL  PUERTOS
PROMPT]
[--upgrade-deps]
[--without-scm-ignore-files]
ENV_DIR [ENV_DIR ...]
python.exe -m venv: error: the following arguments are required: ENV_DIR
C:\Users\SKY\Documents\PYTHON\proyecto_B>python -m venv venv_2
C:\Users\SKY\Documents\PYTHON\proyecto_B>mkdir src
C:\Users\SKY\Documents\PYTHON\proyecto_B>venv_2\Scripts\activate
(venv_2) C:\Users\SKY\Documents\PYTHON\proyecto_B>
```

```
PROBLEMAS  SALIDA  CONSOLA DE DEPURACIÓN  TERMINAL  PUERTOS
Downloading pandas-2.3.3-cp314-cp314-win_amd64.whl (11.1 MB)
11.1/11.1 MB 4.0 MB/s 0:00:02
Downloading numpy-2.3.4-cp314-cp314-win_amd64.whl (12.9 MB)
12.9/12.9 MB 3.7 MB/s 0:00:03
Using cached python_dateutil-2.9.0.post0-py2.py3-none-any.whl (229 kB)
Downloading pytz-2025.2-py2.py3-none-any.whl (509 kB)
Using cached six-1.17.0-py2.py3-none-any.whl (11 kB)
Using cached tzdata-2025.2-py2.py3-none-any.whl (347 kB)
Installing collected packages: pytz, tzdata, six, numpy, python-dateutil, pandas
Successfully installed numpy-2.3.4 pandas-2.3.3 python-dateutil-2.9.0.post0 pytz-2025.2 six-1.17.0 tzdata-2025.2

[notice] A new release of pip is available: 25.2 -> 25.3
[notice] To update, run: python.exe -m pip install --upgrade pip
(venv_2) C:\Users\SKY\Documents\PYTHON\proyecto_B>
```

```
PROBLEMAS  SALIDA  CONSOLA DE DEPURACIÓN  TERMINAL  PUERTOS
[notice] To update, run: python.exe -m pip install --upgrade pip
(venv_2) C:\Users\SKY\Documents\PYTHON\proyecto_B>pip freeze > requirements.txt
(venv_2) C:\Users\SKY\Documents\PYTHON\proyecto_B>cd src
(venv_2) C:\Users\SKY\Documents\PYTHON\proyecto_B\src>mkdir algoritmo_b2.py
(venv_2) C:\Users\SKY\Documents\PYTHON\proyecto_B\src>python algoritmo_b1.py
5 es impar
(venv_2) C:\Users\SKY\Documents\PYTHON\proyecto_B\src>python algoritmo_b2.py
La suma de 3 + 7 es 10
(venv_2) C:\Users\SKY\Documents\PYTHON\proyecto_B\src>
```



The image shows a code editor window with a dark theme. The top bar contains several tabs: 'algoritmo\_a.py', 'algoritmo\_b1.py', 'algoritmo\_b2.py', '.gitignore', and 'requeriments.txt' (which is the active tab). The main area of the editor shows the content of 'requeriments.txt' with line numbers 1 through 7. The text is as follows:

```
proyecto_B > requeriments.txt
1  numpy==2.3.4
2  pandas==2.3.3
3  python-dateutil==2.9.0.post0
4  pytz==2025.2
5  six==1.17.0
6  tzdata==2025.2
7
```

The bottom of the editor has a panel with tabs: 'PROBLEMAS', 'SALIDA', 'CONSOLA DE DEPURACIÓN', 'TERMINAL' (which is the active tab), and 'PUERTOS'. The 'TERMINAL' tab is currently empty.