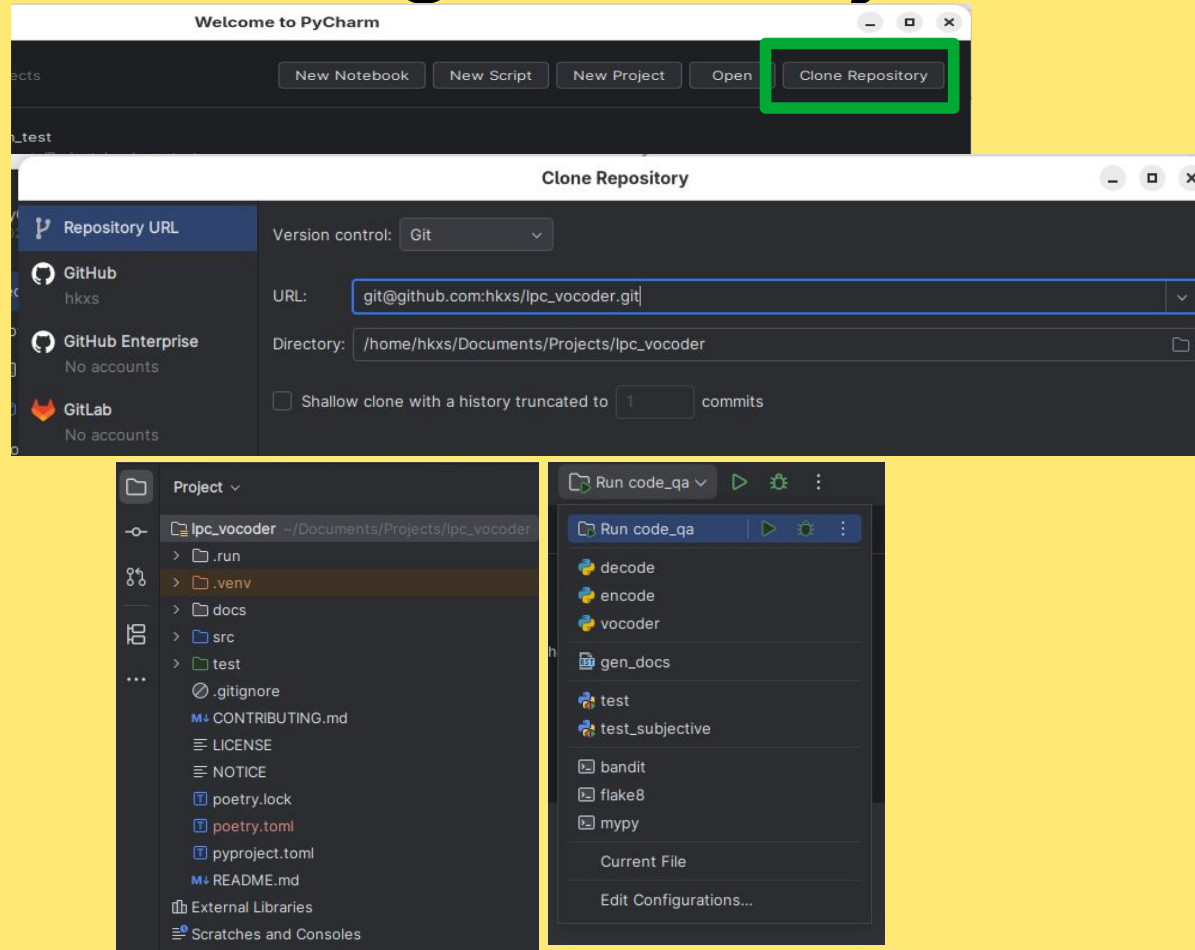


Introducción a PyCharm Pro

Luis Alvarez

Cloning Git Project



Cloning Git Project

```
Terminal Local x
(lpc-vocoder-py3.13) bash-5.2$ poetry env info

Virtualenv
Python:      3.13.7
Implementation: CPython
Path:        /home/hkxs/Documents/Projects/lpc_vocoder/.venv
Executable:  /home/hkxs/Documents/Projects/lpc_vocoder/.venv/bin/python
Valid:       True

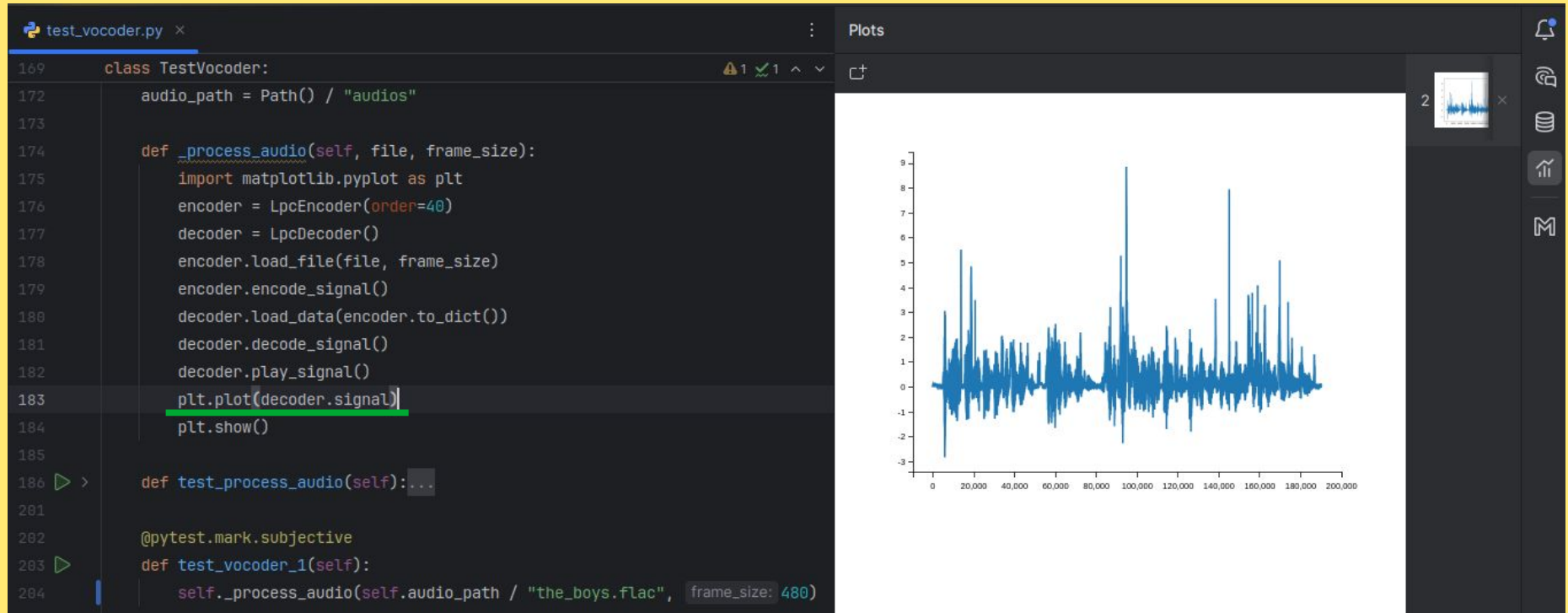
Base
Platform:   linux
OS:         posix
Python:      3.13.7
Path:        /usr
Executable:  /usr/bin/python3.13
```

```
Terminal Local x + v
(lpc-vocoder-py3.13) bash-5.2$ poetry install
Installing dependencies from lock file

Package operations: 81 installs, 0 updates, 0 removals

- Installing certifi (2025.8.3)
- Installing charset-normalizer (3.4.3)
- Installing idna (3.10)
- Installing markupsafe (3.0.2)
- Installing urllib3 (2.5.0)
- Installing alabaster (1.0.0): Pending...
- Installing imagesize (1.4.1): Pending...
- Installing jinja2 (3.1.6): Pending...
- Installing jinja2 (3.1.6): Pending...
```

Matplotlib



Pandas

```
Python Console x +
/home/hkxs/Documents/Projects/lpc_vocoder/.venv/bin/python /home/hkxs/Documents/Projects/_p
import sys; print('Python %s on %s' % (sys.version, sys.platform))
sys.path.extend(['home/hkxs/Documents/Projects/lpc_vocoder', 'home/hkxs/Documents/Projects
Python Console>>> import pandas as pd
>>> df = pd.DataFrame({"column 1": [1, 2, 3, 4], "columnn 2": ["a", "b", "c", "d"]})
>>>
```

```
df = (DataFrame: (4, 2)) ['column 1', 'columnn 2'] [0 1 a] [1 2 b] [2 c] ...View as DataFrame
> T = (DataFrame: (2, 4)) [0, 1, 2, 3] [column 1 1 2 3 4] [columnn 2 a b c d] ...View as DataFrame
> at = (_AtIndexer) <pandas.core.indexing._AtIndexer object at 0x7ff53afb1540>
> attrs = (dict: 0) {}
> axes = (list: 2) [RangeIndex(start=0, stop=4, step=1), Index(['column 1', 'columnn 2'], dtype='object')]
> columns = (Index: (2,)) Index(['column 1', 'columnn 2'], dtype='object')
> dtypes = (Series: (2,)) ('column 1', dtype('int64')) ('columnn 2', dtype('O')) ...View as Series
> empty = (bool) False
> flags = (Flags) <Flags(allows_duplicate_labels=True)>
```

Data View df x +

4 rows 4 rows x 2 cols

	column 1	columnn 2
0	1	a
1	2	b
2	3	c
3	4	d

Data Bases

	fecha	tuits_negativos	tuits_positivos	indice	recoleccion_promedio	tipo_usuario	lugar
67	2021-07-01	589127	1168516	1.98772111347616	56698.1612903226	todos	NAC
68	2021-08-01	629633	1216017	1.93621900318208	59537.0967741935	todos	NAC
69	2021-09-01	575464	1150502	2.00647726181222	57532.2	todos	NAC
70	2021-10-01	591243	1209192	2.06528879467989	58078.5483870968	todos	NAC
71	2021-11-01	532135	1117451	2.10565280610598	54986.2	todos	NAC
72	2021-12-01	511482	1126180	2.21206506636616	52828.0067741075	todos	NAC

```
Project ▾
  ▾ pycharm_test ~/Documents
    > .venv
      data.csv
      poetry.lock
      poetry.toml
      pyproject.toml
      some_module.py
      twiteros_mx.db
    > External Libraries
    > Scratches and Consoles

some_module.py x
1  import pandas as pd
2  import sqlite3
3
4  csv_file = 'data.csv' # replace with your actual file path
5  df = pd.read_csv(csv_file)
6  conn = sqlite3.connect('twiteros_mx.db')
7
8  table_name = 'twiteros_mx'
9  df.to_sql(table_name, conn, if_exists='replace', index=False)
10 conn.commit()
11 conn.close()
12
```

Data Bases

The screenshot displays a database management interface with two main panels. The left panel shows a table of data, and the right panel shows the database schema.

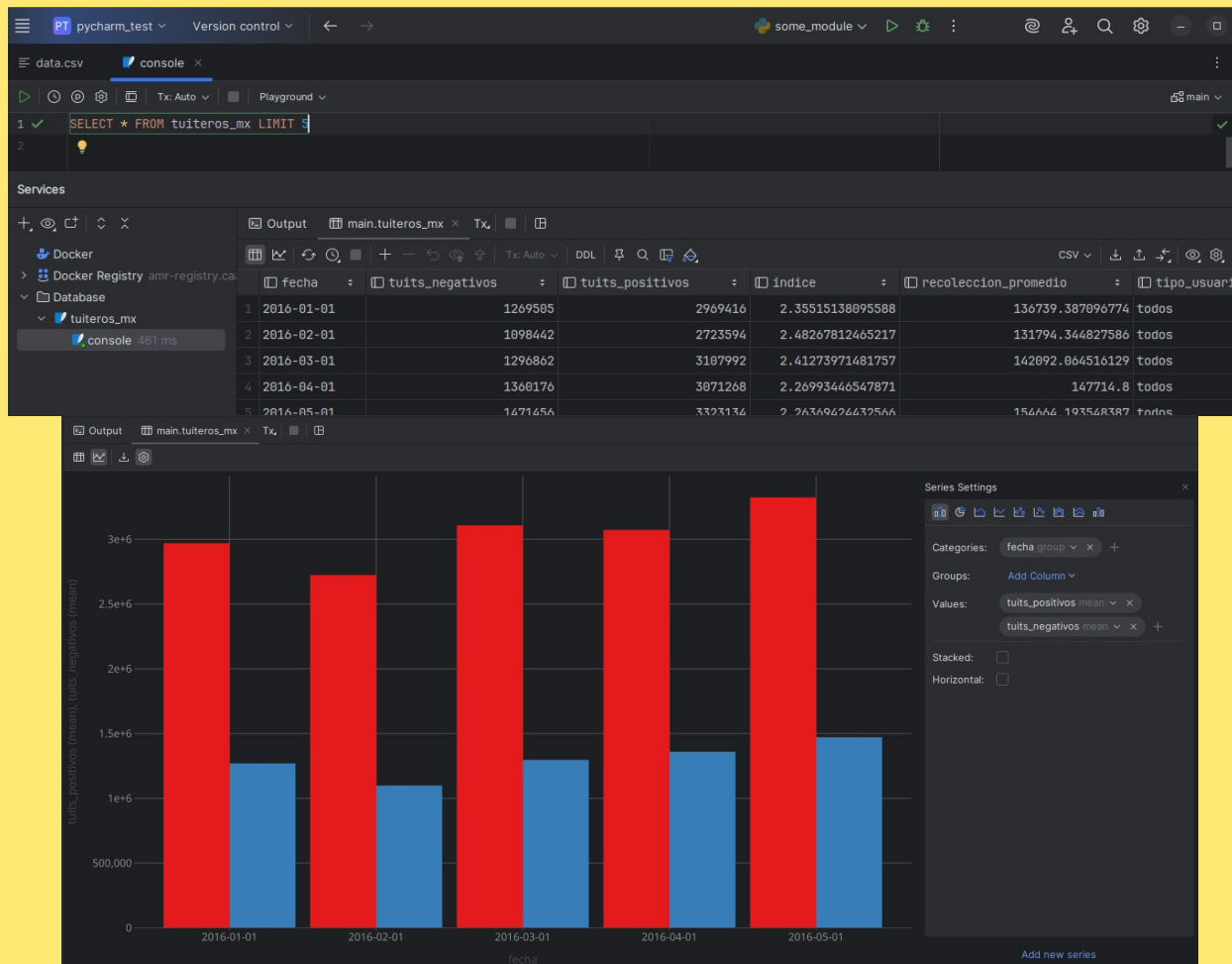
Table Data:

	fecha	tuits_negativos	tuits_positivos	indice	recole
1	2016-01-01	1269505	2969416	2.35515138095588	
2	2016-02-01	1098442	2723594	2.48267812465217	
3	2016-03-01	1296862	3107992	2.41273971481757	
4	2016-04-01	1360176	3071268	2.26993446547871	
5	2016-05-01	1471456	3323134	2.26369424432566	
6	2016-06-01	1447713	3265776	2.26805047449102	
7	2016-07-01	1400805	3209465	2.30241020091704	
8	2016-08-01	1409549	3108560	2.21130418056592	
9	2016-09-01	1249556	2679760	2.15324747042689	
10	2016-10-01	1158539	2608474	2.26111816413909	
11	2016-11-01	1115302	2431872	2.19840207780954	
12	2016-12-01	1026908	2336375	2.28711468667273	

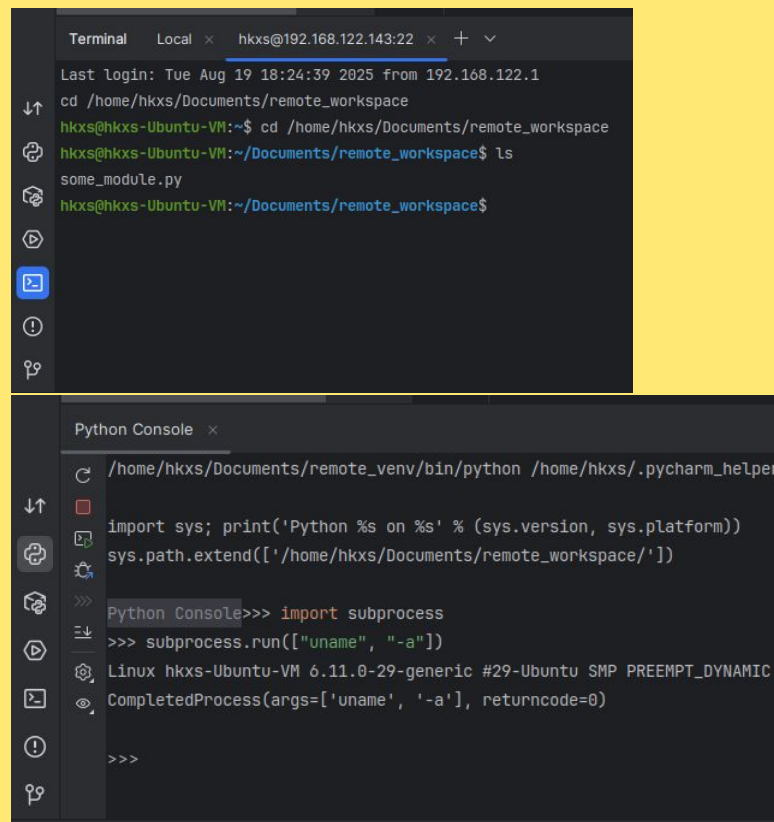
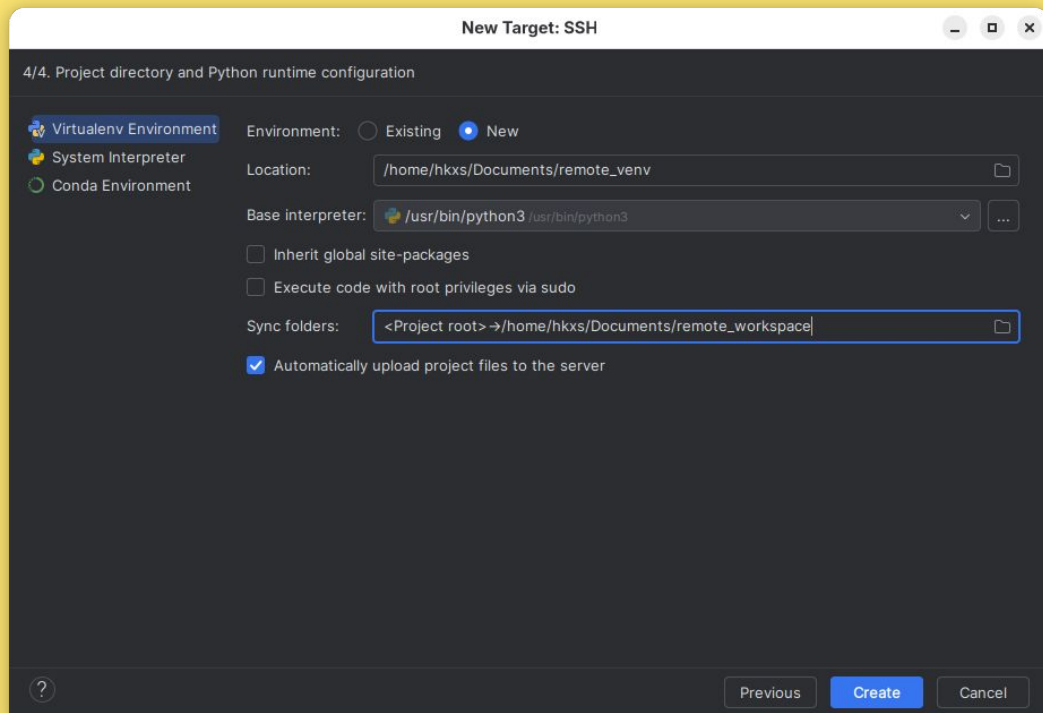
Database Schema:

- tuiteros_mx
 - main
 - tables 2
 - sqlite_master
 - tuiteros_mx
 - columns 7
 - fecha TEXT
 - tuits_negativos INTEGER
 - tuits_positivos INTEGER
 - indice REAL
 - recoleccion_promedio REAL
 - tipo_usuario TEXT
 - lugar TEXT
- Server Objects
 - collations 3
 - modules 11
 - routines 175

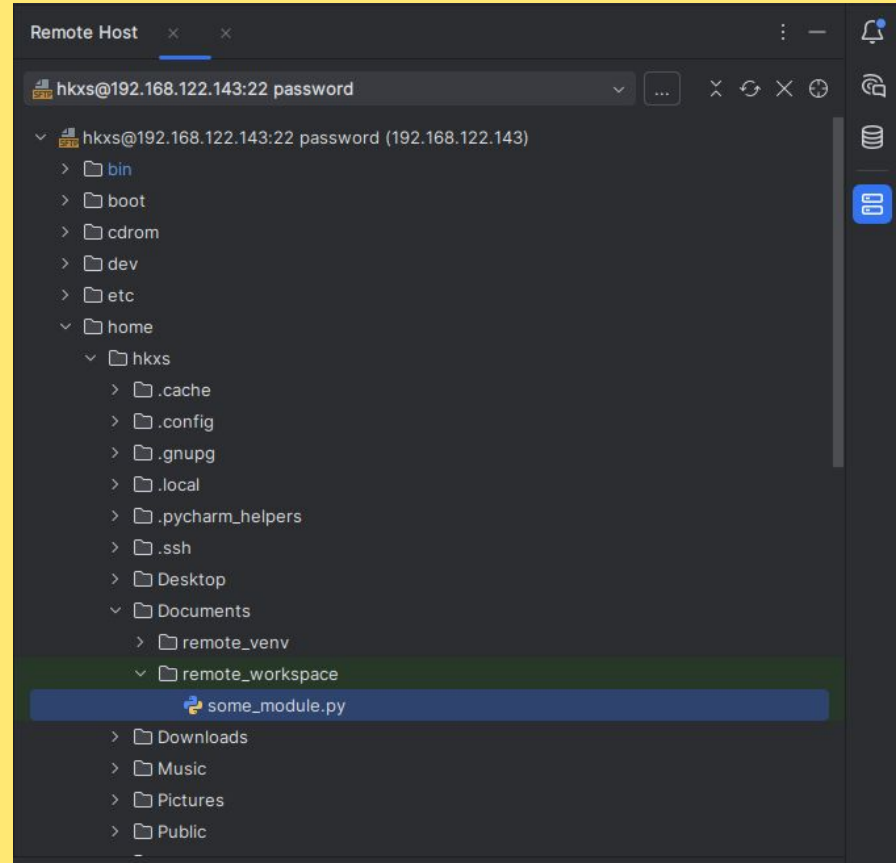
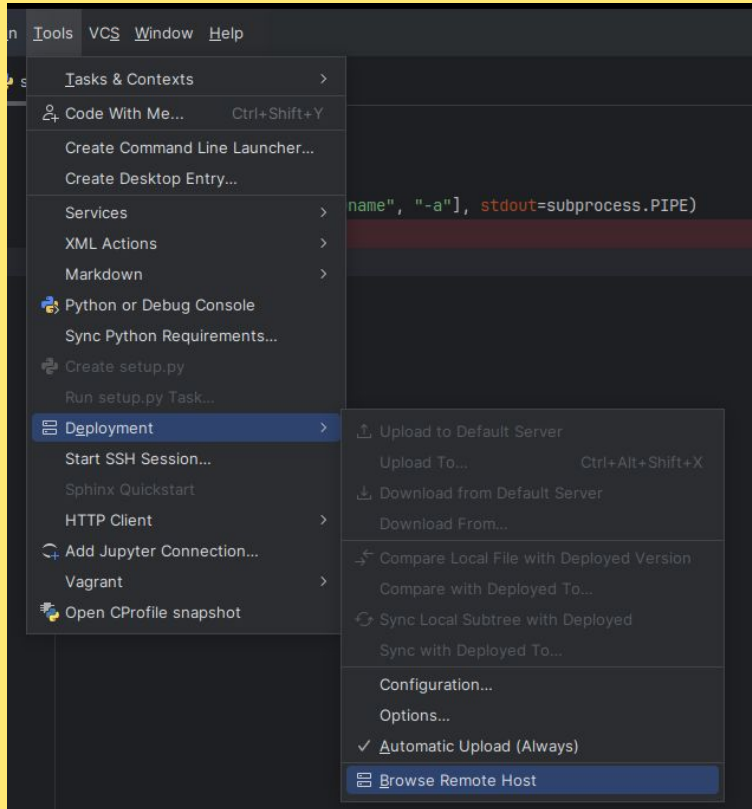
Data Bases



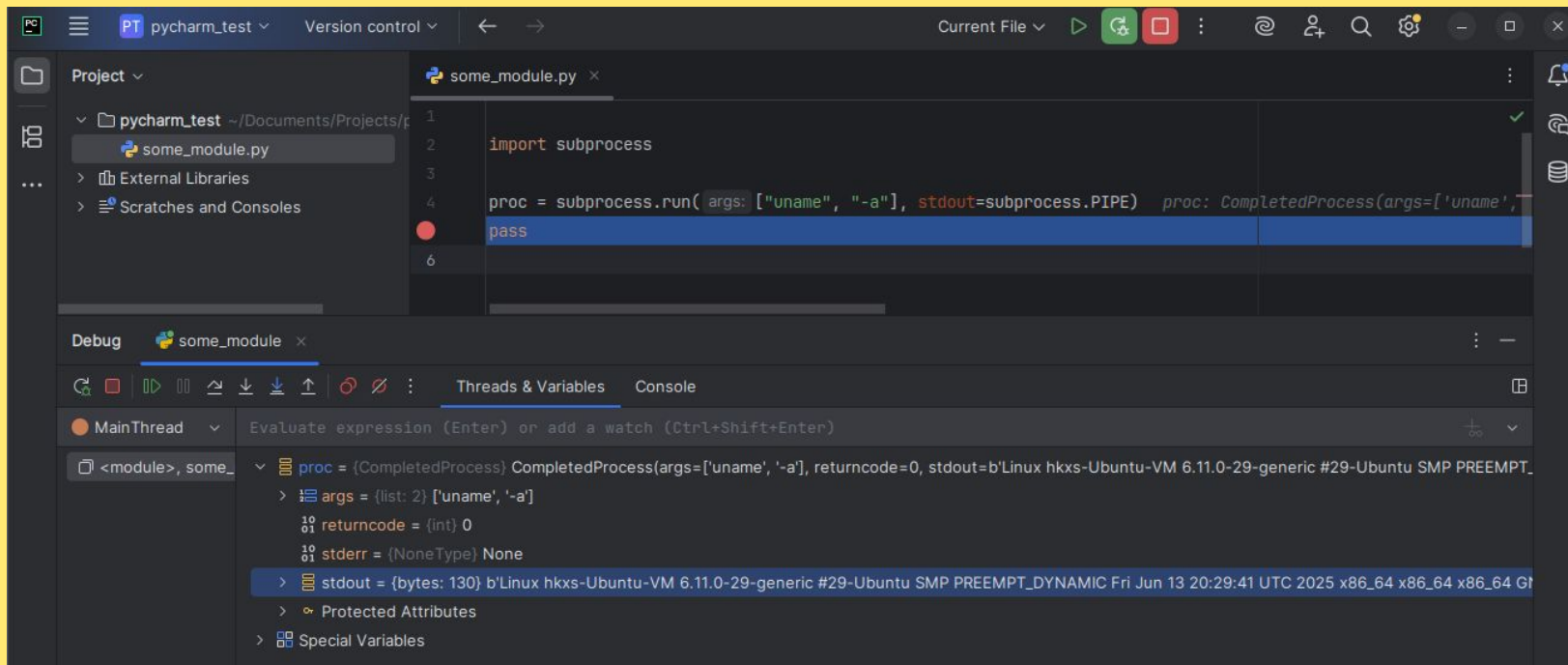
Remote Development



Remote Development



Remote Development



Gracias