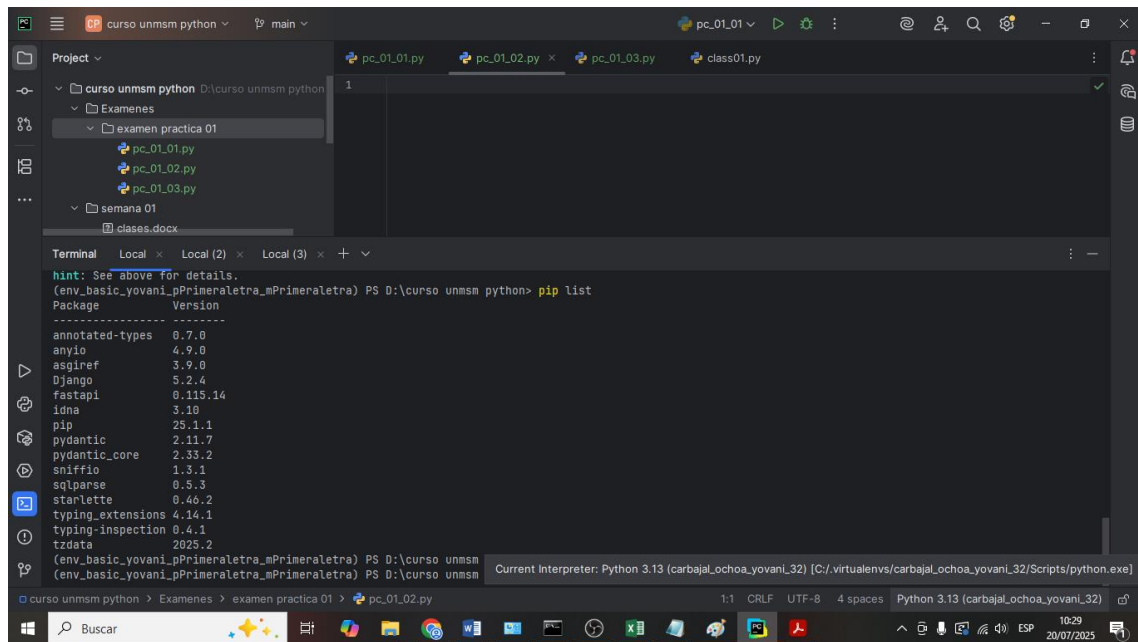


## EJERCIO 02



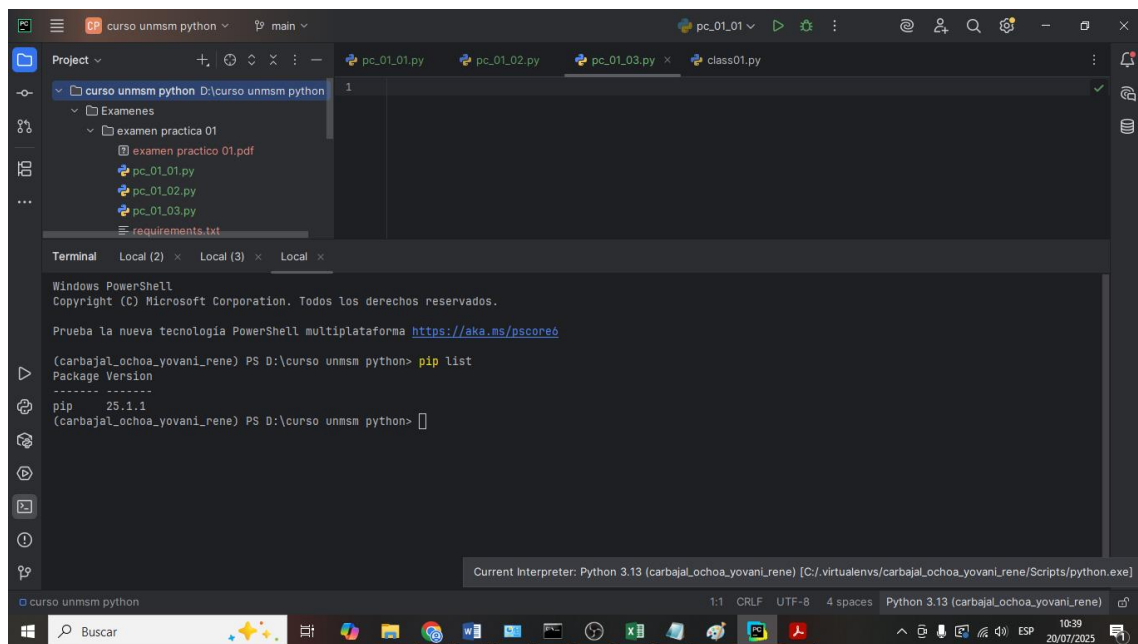
The screenshot shows the Visual Studio Code interface with a project named 'curso unsm python'. The file explorer on the left shows a folder 'Exámenes' containing a subfolder 'examen practica 01' with files 'pc\_01\_01.py', 'pc\_01\_02.py', and 'pc\_01\_03.py', and a file 'clases.docx'. The terminal window at the bottom shows the command 'pip list' being executed in a PowerShell prompt. The output lists various installed packages and their versions.

```
hint: See above for details.
(env_basic_yovani_pPrimeraletra_mPrimeraletra) PS D:\curso unsm python> pip list
Package Version
-----
annotated-types 0.7.0
anyio 4.9.0
asgiref 3.9.0
Django 5.2.4
fastapi 0.115.14
idna 3.10
pip 25.1.1
pydantic 2.11.7
pydantic_core 2.33.2
sniffio 1.3.1
sqlparse 0.5.3
starlette 0.46.2
typing_extensions 4.14.1
typing-inspection 0.4.1
tzdata 2025.2

(env_basic_yovani_pPrimeraletra_mPrimeraletra) PS D:\curso unsm
(env_basic_yovani_pPrimeraletra_mPrimeraletra) PS D:\curso unsm
```

Current Interpreter: Python 3.13 (carbajal\_choa\_yovani\_32) [C:/virtualenvs/carbajal\_choa\_yovani\_32/Scripts/python.exe]

## EJERCICIO 03



The screenshot shows the Visual Studio Code interface with a project named 'curso unsm python'. The file explorer on the left shows a folder 'Exámenes' containing a subfolder 'examen practica 01' with files 'examen practico 01.pdf', 'pc\_01\_01.py', 'pc\_01\_02.py', 'pc\_01\_03.py', and 'requirements.txt'. The terminal window at the bottom shows the command 'pip list' being executed in a PowerShell prompt. The output lists the installed packages and their versions.

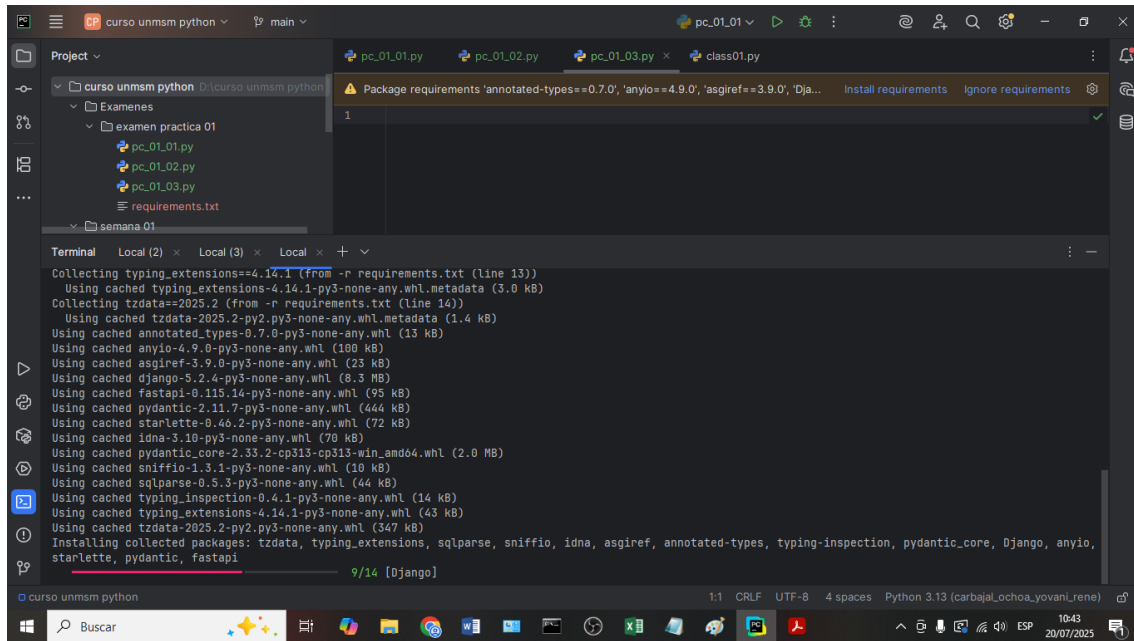
```
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos los derechos reservados.

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

(carbajal_choa_yovani_rene) PS D:\curso unsm python> pip list
Package Version
-----
pip 25.1.1
(carbajal_choa_yovani_rene) PS D:\curso unsm python> 
```

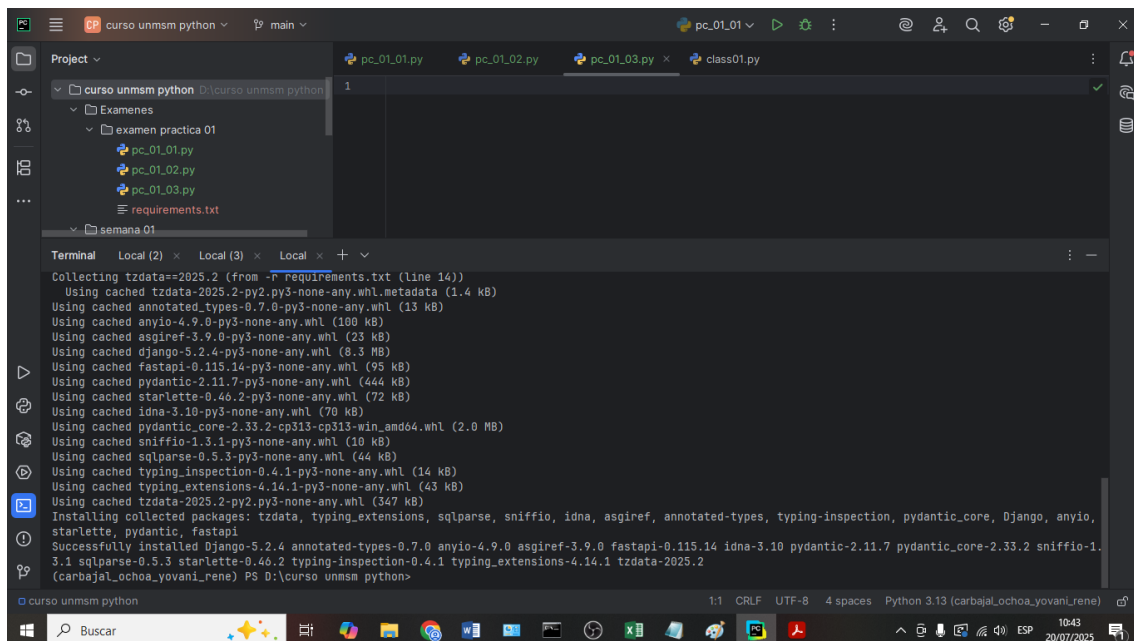
Current Interpreter: Python 3.13 (carbajal\_choa\_yovani\_rene) [C:/virtualenvs/carbajal\_choa\_yovani\_rene/Scripts/python.exe]

## pip install -r requirements.txt



The screenshot shows a VS Code editor with a project named 'curso unmsm python'. The file explorer on the left shows a directory structure with 'examen practica 01' containing 'pc\_01\_01.py', 'pc\_01\_02.py', 'pc\_01\_03.py', and 'requirements.txt'. The terminal window is open, showing the command 'pip install -r requirements.txt' being executed. The output shows the collection of packages from the requirements file, including typing\_extensions, tzdata, annotated\_types, anyio, asgiref, django, fastapi, pydantic, starlette, idna, pydantic\_core, sniffio, and sqlparse. The terminal is at line 9 of 14, showing the installation of Django.

```
Collecting typing_extensions==4.14.1 (from -r requirements.txt (line 13))
  Using cached typing_extensions-4.14.1-py3-none-any.whl.metadata (3.0 kB)
Collecting tzdata==2025.2 (from -r requirements.txt (line 14))
  Using cached tzdata-2025.2-py2.py3-none-any.whl.metadata (1.4 kB)
Using cached annotated_types-0.7.0-py3-none-any.whl (13 kB)
Using cached anyio-4.9.0-py3-none-any.whl (100 kB)
Using cached asgiref-3.9.0-py3-none-any.whl (23 kB)
Using cached django-5.2.4-py3-none-any.whl (8.3 MB)
Using cached fastapi-0.115.14-py3-none-any.whl (95 kB)
Using cached pydantic-2.11.7-py3-none-any.whl (444 kB)
Using cached starlette-0.46.2-py3-none-any.whl (72 kB)
Using cached idna-3.10-py3-none-any.whl (70 kB)
Using cached pydantic_core-2.33.2-cp313-cp313-win_amd64.whl (2.0 MB)
Using cached sniffio-1.3.1-py3-none-any.whl (10 kB)
Using cached sqlparse-0.5.3-py3-none-any.whl (44 kB)
Using cached typing_inspection-0.4.1-py3-none-any.whl (14 kB)
Using cached typing_extensions-4.14.1-py3-none-any.whl (43 kB)
Installing collected packages: tzdata, typing_extensions, sqlparse, sniffio, idna, asgiref, annotated-types, typing-inspection, pydantic_core, Django, anyio, starlette, pydantic, fastapi
9/14 [Django]
```



The screenshot shows the same VS Code editor and terminal window. The terminal output continues from the previous state, showing the installation of the collected packages. The output indicates that the packages were successfully installed, including Django, anyio, starlette, pydantic, fastapi, typing\_extensions, sqlparse, sniffio, idna, asgiref, annotated-types, typing-inspection, pydantic\_core, and tzdata. The terminal is at line 14 of 14, showing the successful completion of the installation.

```
Collecting tzdata==2025.2 (from -r requirements.txt (line 14))
  Using cached tzdata-2025.2-py2.py3-none-any.whl.metadata (1.4 kB)
Using cached annotated_types-0.7.0-py3-none-any.whl (13 kB)
Using cached anyio-4.9.0-py3-none-any.whl (100 kB)
Using cached asgiref-3.9.0-py3-none-any.whl (23 kB)
Using cached django-5.2.4-py3-none-any.whl (8.3 MB)
Using cached fastapi-0.115.14-py3-none-any.whl (95 kB)
Using cached pydantic-2.11.7-py3-none-any.whl (444 kB)
Using cached starlette-0.46.2-py3-none-any.whl (72 kB)
Using cached idna-3.10-py3-none-any.whl (70 kB)
Using cached pydantic_core-2.33.2-cp313-cp313-win_amd64.whl (2.0 MB)
Using cached sniffio-1.3.1-py3-none-any.whl (10 kB)
Using cached sqlparse-0.5.3-py3-none-any.whl (44 kB)
Using cached typing_inspection-0.4.1-py3-none-any.whl (14 kB)
Using cached typing_extensions-4.14.1-py3-none-any.whl (43 kB)
Installing collected packages: tzdata, typing_extensions, sqlparse, sniffio, idna, asgiref, annotated-types, typing-inspection, pydantic_core, Django, anyio, starlette, pydantic, fastapi
Successfully installed Django-5.2.4 annotated-types-0.7.0 anyio-4.9.0 asgiref-3.9.0 fastapi-0.115.14 idna-3.10 pydantic-2.11.7 pydantic_core-2.33.2 sniffio-1.3.1 sqlparse-0.5.3 starlette-0.46.2 typing-inspection-0.4.1 typing_extensions-4.14.1 tzdata-2025.2
(carbajal_ochoa_yovani_rene) PS D:\curso unmsm python>
```