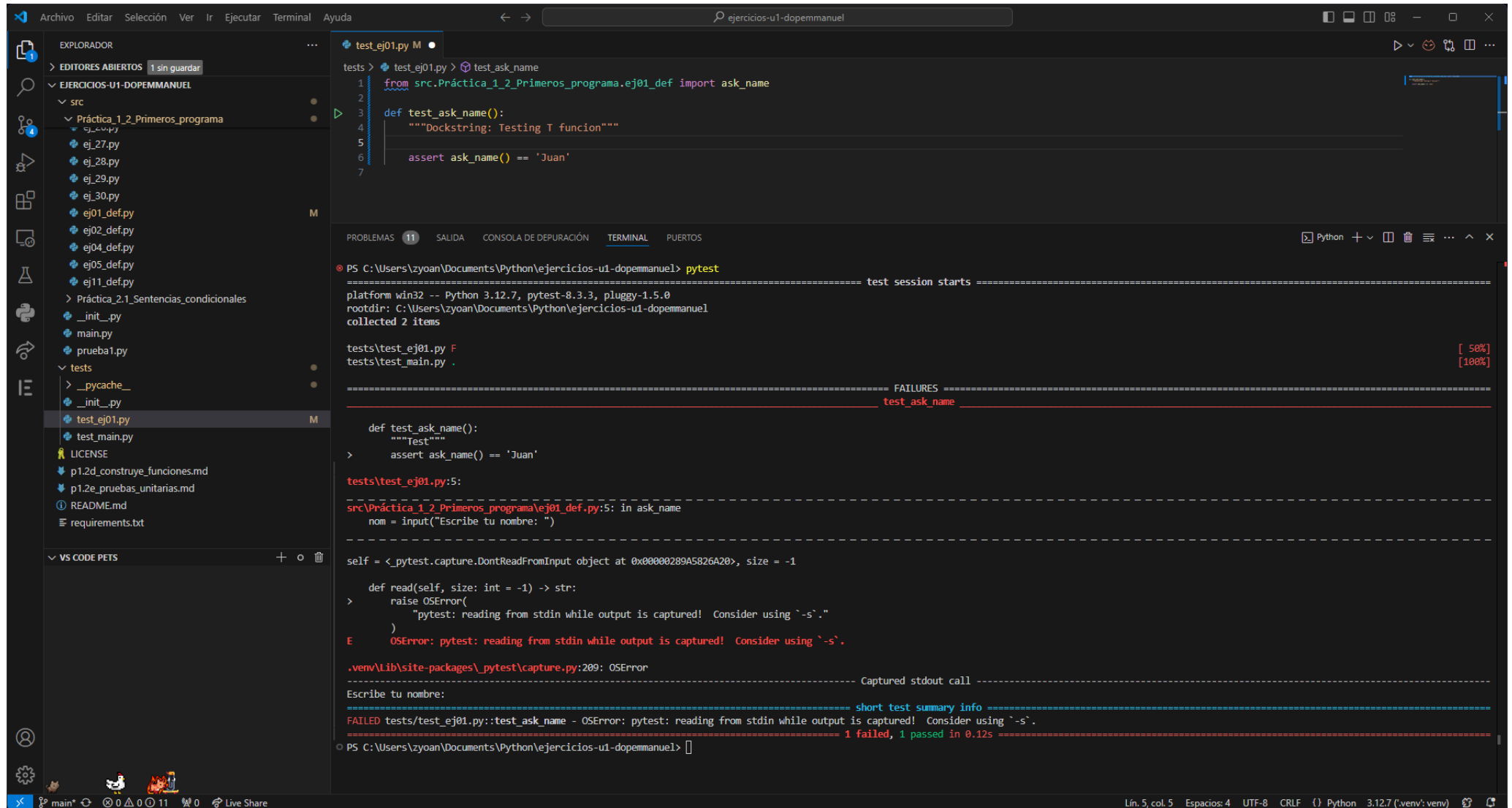


# EJ\_def01-Con error



The screenshot shows a VS Code editor window with the following components:

- EXPLORADOR (Left Panel):** Shows the project structure. The file `test_ej01.py` is selected under the `tests` directory.
- EDITOR (Center):** Displays the content of `test_ej01.py`. The code is as follows:

```
tests > test_ej01.py > test_ask_name
1 from src.Práctica_1_2_Primeros_programa.ej01_def import ask_name
2
3 def test_ask_name():
4     """Docstring: Testing T funcion"""
5
6     assert ask_name() == 'Juan'
7
```
- TERMINAL (Bottom Panel):** Shows the output of running `pytest`. The output includes the test session start, the test results (50% passed, 100% failed), and the error message:

```
PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel> pytest
===== test session starts =====
platform win32 -- Python 3.12.7, pytest-8.3.3, pluggy-1.5.0
rootdir: C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel
collected 2 items

tests\test_ej01.py F
tests\test_main.py .

===== FAILURES =====
test_ask_name
def test_ask_name():
    """Test"""
    > assert ask_name() == 'Juan'

tests\test_ej01.py:5:
src\Práctica_1_2_Primeros_programa\ej01_def.py:5: in ask_name
    nom = input("Escribe tu nombre: ")

self = <pytest.capture.DontReadFromInput object at 0x0000289A5826A20>, size = -1

def read(self, size: int = -1) -> str:
    > raise OSError(
        "pytest: reading from stdin while output is captured! Consider using '-s'."
    )
E       OSError: pytest: reading from stdin while output is captured! Consider using '-s'.

.venv\Lib\site-packages\_pytest\capture.py:209: OSError
===== Captured stdout call =====
Escribe tu nombre:
===== short test summary info =====
FAILED tests\test_ej01.py::test_ask_name - OSError: pytest: reading from stdin while output is captured! Consider using '-s'.
1 failed, 1 passed in 0.12s
PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel>
```

# Ej\_def01-Sin error

The screenshot shows the Visual Studio Code interface with the following components:

- EXPLORADOR (Explorer):** Displays the project structure under 'EJERCICIOS-U1-DOPEMMANUEL'. The 'tests' folder is expanded, showing files like `test_ej01.py` (selected), `test_main.py`, and `LICENSE`.
- EDITOR (Editor):** Shows the content of `test_ej01.py` with the following code:

```
1 from src.Práctica_1_2_Primeros_programa.ej01_def import ask_name
2
3 def test_ask_name():
4     """Docstring: Testing T funcion"""
5
6     assert ask_name("Juan") == 'Juan'
7
```
- TERMINAL (Terminal):** Shows the output of running `pytest` in the project directory:

```
PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel> pytest
===== test session starts =====
platform win32 -- Python 3.12.7, pytest-8.3.3, pluggy-1.5.0
rootdir: C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel
collected 2 items

tests\test_ej01.py . [ 50%]
tests\test_main.py . [100%]

===== 2 passed in 0.04s =====
PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel>
```

The status bar at the bottom indicates the current file is `main.py`, with 0 errors, 0 warnings, and 11 information messages. The editor is using Python 3.12.7 with a virtual environment.

# EJ-def02-Con error:

VS Code interface showing a Python test failure. The Explorer view on the left shows the project structure, including files like `ej02_def.py` and `test_ej02.py`. The Source view shows the code for `test_ej02.py`, which includes a function `test_calcular_importe_trabajado()` and an assertion.

The Terminal view shows the output of running `pytest -v tests/test_ej02.py`. The output indicates a failure in the `test_calcular_importe_trabajado` function. The failure message is:

```
tests/test_ej02.py:7: AssertionError: assert <function calcular_importe_trabajado at 0x000002855AEC6DE0> == 'Horas de trabajo: 5\nCoste por hora: 20\nImporte total: 100'
```

The failure report also includes a short test summary info and a detailed traceback.

# EJ-def02-Sin error:

The screenshot shows the Visual Studio Code interface with the following components:

- EXPLORADOR (Left Panel):** Displays the project structure under 'EJERCICIOS-U1-DOPEMANUEL'. The file 'ej02\_def.py' is selected.
- EDITOR (Center Panel):** Shows the code for 'ej02\_def.py'. The code defines a function 'calcular\_importe\_trabajado' and a 'main' function.
- TERMINAL (Bottom Panel):** Displays the output of running 'pytest -v tests/test\_ej02.py'. The output shows that the test passed.

**Code in ej02\_def.py:**

```
src > Práctica_1_2_Primeros_programa > ej02_def.py > calcular_importe_trabajado
1 """Este va a organizarte tus horas trabajadas:"""
2
3 def calcular_importe_trabajado(horas, coste):
4     """Pedira los numeros"""
5     print("Escribe un programa para pedirle al usuario las horas de trabajo"
6         | "y el precio por hora y calcule el importe total del servicio.")
7
8     multi = horas * coste
9     info = f"Horas de trabajo: {horas}\nCoste por hora: {coste}\nImporte total: {multi}"
10    return info
11
12 def main():
13
14     horas = int(input("Ingresa las horas que has trabajado: "))
15     coste = int(input("Ingresa el coste por horas: "))
```

**Terminal Output:**

```
PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemanuel> pytest -v tests/test_ej02.py
===== test session starts =====
platform win32 -- Python 3.12.7, pytest-8.3.3, pluggy-1.5.0 -- c:\Users\zyoan\Documents\Python\ejercicios-u1-dopemanuel\.venv\Scripts\python.exe
cachedir: .pytest_cache
rootdir: C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemanuel
collected 1 item

tests/test_ej02.py::test_calcular_importe_trabajado PASSED [100%]

===== 1 passed in 0.02s =====
PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemanuel>
```

# EJ\_def04-Con error:

The screenshot shows the Visual Studio Code interface with a Python project named 'ejercicios-u1-dopemmanuel'. The Explorer sidebar on the left shows the file structure, including a 'src' folder with 'Práctica\_1\_2-Primeros\_programa' and a 'tests' folder. The main editor displays the file 'ej04\_def.py' with the following code:

```
1 """La funcion principal: """
2
3 def calculo_grados(celcius):
4     """Pedira la temperatura y lo pasara a grados: """
5     print("Escribe un programa que le pida al usuario una temperatura en grados Celsius,"
6           "la convierta a grados Fahrenheit e imprima por pantalla la temperatura convertida.")
7     fahrenheit = celcius * 9 / 5 + 32
8     total = f"{celcius:.2f}°C en Fahrenheit son °F {fahrenheit:.2f}"
9     return main
10
11 def main():
12
13     celcius = float(input("Ingresa los grados °C: "))
14     result = calculo_grados(celcius)
15
16     print(result)
17
18
19 if __name__ == "__main__":
20     main()
21
```

The bottom panel shows the 'TERMINAL' tab with the output of running 'pytest -v tests/test\_ej04.py'. The test 'test\_calculo\_grados' has failed. The failure message is:

```
tests/test_ej04.py:5: AssertionError
E       assert calculo_grados(12) == "12.00°C en Fahrenheit son °F 53.60"
E       + where calculo_grados(12) = calculo_grados(12)
E
E       tests/test_ej04.py:5: AssertionError
E       Escribe un programa que le pida al usuario una temperatura en grados Celsius,la convierta a grados Fahrenheit e imprima por pantalla la temperatura convertida.
E       short test summary info
E       FAILED tests/test_ej04.py:5: AssertionError: assert <function main at 0x0000025A470CB060> == '12.00°C en Fahrenheit son °F 53.60'
E       1 failed in 0.09s
```

The status bar at the bottom indicates the current line is 10, column 1, with 4 spaces, UTF-8 encoding, CRLF line endings, and Python 3.12.7 interpreter.

# EJ\_def04-Sin error:

The screenshot shows the Visual Studio Code interface with a Python file named `ej04_def.py` open. The file contains a function `calculo_grados` that converts Celsius to Fahrenheit and a `main` function that prompts the user for input and calls the conversion function. The file explorer on the left shows the project structure, including a `tests` directory. The terminal at the bottom shows the command `pytest -v tests/test_ej04.py` being executed, resulting in a successful test run with the message `tests/test_ej04.py::test_calculo_grados PASSED` and a status of `1 passed in 0.02s`. The status bar at the bottom indicates the current line and column (Lin. 21, col. 1) and the file encoding (UTF-8).

```
src > Práctica_1_2_Primeros_programa > ej04_def.py > ...
1 """La funcion principal: """
2
3 def calculo_grados(celcius):
4     """Pedira la temperatura y lo pasara a grados: """
5     print("Escribe un programa que le pida al usuario una temperatura en grados Celsius,"
6           "la convierta a grados Fahrenheit e imprima por pantalla la temperatura convertida.")
7     fahrenheit = celcius * 9 / 5 + 32
8     total = f"{celcius:.2f}°C en Fahrenheit son °F {fahrenheit:.2f}"
9     return main
10
11 def main():
12
13     celcius = float(input("Ingresa los grados °C: "))
14     result = calculo_grados(celcius)
15
```

PROBLEMAS 7 SALIDA CONSOLA DE DEPURACIÓN TERMINAL RESULTADOS DE LA PRUEBA PUERTOS

PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel> **pytest -v tests/test\_ej04.py**

===== test session starts =====

platform win32 -- Python 3.12.7, pytest-8.3.3, pluggy-1.5.0 -- c:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel\.venv\Scripts\python.exe  
cachedir: .pytest\_cache  
rootdir: C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel  
collected 1 item

tests/test\_ej04.py::test\_calculo\_grados **PASSED** [100%]

===== 1 passed in 0.02s =====

PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel> Historial restaurado

PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel>

Lin. 21, col. 1 Espacios: 4 UTF-8 CRLF {} Python 3.12.7 (.venv: .venv)

# EJ-def05-Con Error:

The image shows a VS Code editor window with a Python file named `ej05_def.py` open. The file contains a function `importes` and a `main` function. The `importes` function has a bug: it calculates the final price incorrectly by adding the input `sin_iva` to the `divi` (which is `sin_iva * (con_iva / 100)`), instead of multiplying them. The `main` function prompts the user for the input and calls `importes`.

```
src > Práctica_1_2_Primeros_programa > ej05_def.py > ...
2 def importes(sin_iva, con_iva):
3
4
5     print("Escribe un programa que pida el importe sin IVA de un artículo y el "
6         "tipo de IVA a aplicar y calcule e imprima por pantalla el precio final del artículo")
7
8     divi = sin_iva * (con_iva / 100)
9     multi = sin_iva + divi
10    result = f"Su Importe es de {sin_iva}€ \nEl tipo de IVA a aplicar es de {con_iva}% \nEl precio fina del articulo es de {multi}€"
11
12    return main
13
14 def main():
15
16     sin_iva = float(input("Ingrese el importe sin IVA de su artículo: "))
17     con_iva = int(input("Ingrese el porcentaje de IVA al aplicar: "))
18     result = importes(sin_iva, con_iva)
19
20     print(result)
21
22
23 if __name__ == "__main__":
24
25     main()
26
```

The terminal window shows the output of a `pytest` command run on `tests/test_ej05.py`. The test fails with an `AssertionError` because the function `importes` returns the wrong result for the given inputs (12 and 11). The error message is:

```
PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopenmanuel> pytest -v tests/test_ej05.py
platform win32 -- Python 3.12.7, pytest-8.3.3, pluggy-1.5.0 -- c:\Users\zyoan\Documents\Python\ejercicios-u1-dopenmanuel\.venv\Scripts\python.exe
cachedir: .pytest_cache
rootdir: C:\Users\zyoan\Documents\Python\ejercicios-u1-dopenmanuel
collected 1 item

tests/test_ej05.py::test_importes FAILED [100%]

===== FAILURES =====
test_importes
def test_importes():
>     assert importes(12, 11) == "Su Importe es de 12.0€ El tipo de IVA a aplicar es de 11% El precio fina del articulo es de 13.32€"
E       AssertionError: assert <function main at 0x00000273900CB060> == 'Su Importe es de 12.0€ El tipo de IVA a aplicar es de 11% El precio fina del articulo es de 13.32€'
E       + where <function main at 0x00000273900CB060> = importes(12, 11)

tests/test_ej05.py:4: AssertionError

===== Captured stdout call =====
Escribe un programa que pida el importe sin IVA de un artículo y el tipo de IVA a aplicar y calcule e imprima por pantalla el precio final del artículo
short test summary info
FAILED tests/test_ej05.py::test_importes - AssertionError: assert <function main at 0x00000273900CB060> == 'Su Importe es de 12.0€ El tipo de IVA a aplicar es de 11% El precio fina del articulo es de 13.32€'
===== 1 failed in 0.09s =====
PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopenmanuel>
```

# EJ-def05-Sin Error:

The screenshot shows the Visual Studio Code interface with the following components:

- EXPLORADOR (Left Panel):** Displays the file structure of the project 'ejercicios-u1-dopemmanuel'. The 'tests' directory is expanded, showing files like `test_ej01.py`, `test_ej02.py`, `test_ej04.py`, `test_ej05.py` (selected), `test_ej11.py`, and `test_main.py`.
- EDITOR (Center):** Shows the content of `test_ej05.py`. The code is as follows:

```
1 from src.Práctica_1_2_Primeros_programa.ej05_def import importes
2
3 def test_importes():
4     assert importes(12.0, 11) == "Su Importe es de 12.0€, El tipo de IVA a aplicar es de 11%, El precio fina del articulo es de 13.32€."
5
6     assert importes(44.0, 30) == "Su Importe es de 44.0€, El tipo de IVA a aplicar es de 30%, El precio fina del articulo es de 57.2€."
```
- TERMINAL (Bottom Panel):** Shows the output of running the test. The command executed is `pytest -v tests/test_ej05.py`. The output indicates that the test session started successfully and that the test passed.

```
PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel> pytest -v tests/test_ej05.py
platform win32 -- Python 3.12.7, pytest-8.3.3, pluggy-1.5.0 -- c:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel\.venv\Scripts\python.exe
cachedir: .pytest_cache
rootdir: C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel
collected 1 item

tests/test_ej05.py::test_importes PASSED [100%]

===== 1 passed in 0.02s =====
PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopemmanuel>
```



## EJ\_def11-Con error:

The image shows a Visual Studio Code editor window with a dark theme. The top bar displays the menu (Archivo, Selección, Ver, Ir, Ejecutar, Terminal) and the current file path (ejercicios-u1-dopemmanuel). The Explorer sidebar on the left shows the project structure, including a 'src' folder with 'Práctica\_1\_2\_Primeros\_programa' and a 'tests' folder. The 'ej11\_def.py' file is open in the editor, showing a Python function 'leer\_numero(n)' that calculates the sum of integers from 1 to n, and a 'main()' function that prompts the user for input and prints the result. The Terminal panel at the bottom shows the output of a 'pytest' command, indicating a failure in the 'test\_leer\_numero' function. The error message is: 'AssertionError: assert <function leer\_numero at 0x00000254380CADE0> == 'La suma de los enteros de 1 a 5 es: 15''. The terminal also shows the 'short test summary info' and the final result: '1 failed in 0.08s'.

# EJ\_def11-Sin error:

The screenshot shows the Visual Studio Code interface with the following components:

- EXPLORADOR (Explorer):** Displays the project structure. The 'tests' folder is expanded, showing 'test\_ej11.py' with a green 'U' icon, indicating it has passed.
- EDITOR (Editor):** Shows the code for 'test\_ej11.py'. The code defines a function 'test\_leer\_numero()' with four assertions:

```
1 from src.Práctica_1_2_Primeros_programa.ej11_def import leer_numero
2
3 def test_leer_numero():
4     assert leer_numero(5) == "La suma de los enteros de 1 a 5 es: 15"
5     assert leer_numero(10) == "La suma de los enteros de 1 a 10 es: 55"
6     assert leer_numero(1) == "La suma de los enteros de 1 a 1 es: 1"
7     assert leer_numero(0) == "La suma de los enteros de 1 a 0 es: 0"
```
- TERMINAL (Terminal):** Shows the output of the command 'pytest -v tests/test\_ej11.py'. The output indicates that the test session started successfully and the test passed.

```
PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopenmanuel> pytest -v tests/test_ej11.py
platform win32 -- Python 3.12.7, pytest-8.3.3, pluggy-1.5.0 -- c:\Users\zyoan\Documents\Python\ejercicios-u1-dopenmanuel\.venv\Scripts\python.exe
cachedir: .pytest_cache
rootdir: C:\Users\zyoan\Documents\Python\ejercicios-u1-dopenmanuel
collected 1 item

tests/test_ej11.py::test_leer_numero PASSED [100%]

===== 1 passed in 0.02s =====
PS C:\Users\zyoan\Documents\Python\ejercicios-u1-dopenmanuel>
```