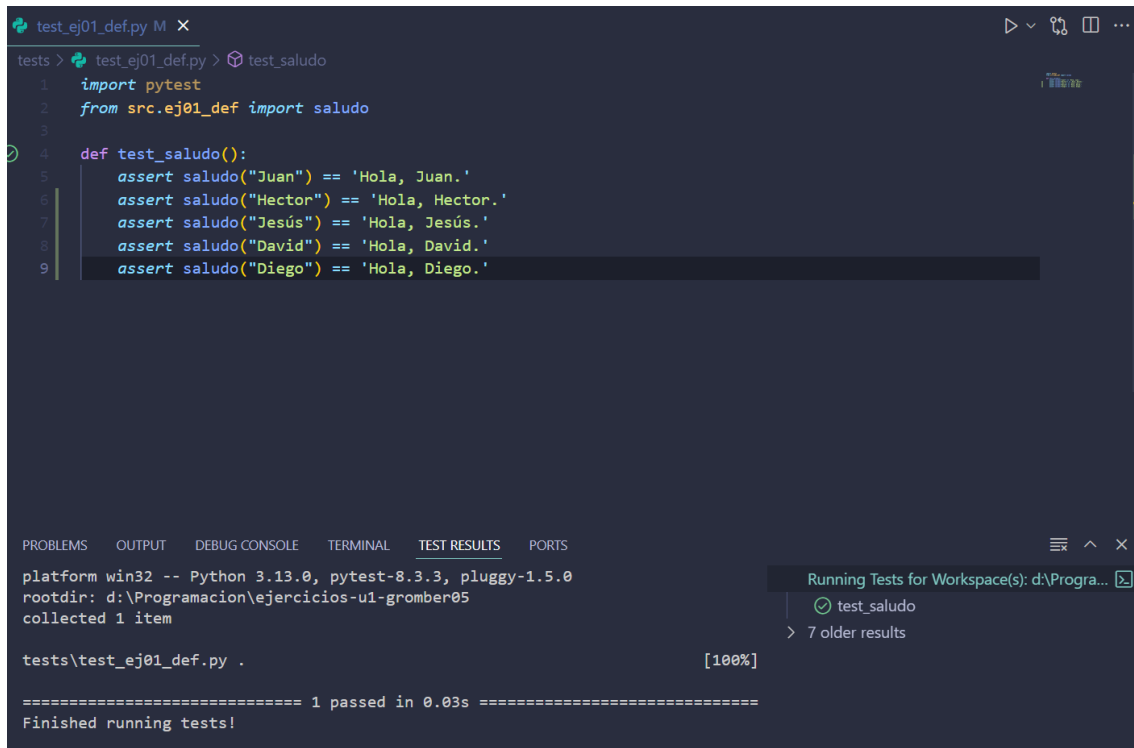


ej01_def



The screenshot shows the VS Code editor with a file named `test_ej01_def.py`. The code contains a `test_saludo()` function that asserts the `saludo` function returns the expected strings for five names: Juan, Hector, Jesús, David, and Diego. The test is run, and the output shows it passed successfully. The terminal displays the following output:

```
platform win32 -- Python 3.13.0, pytest-8.3.3, pluggy-1.5.0
rootdir: d:\Programacion\ejercicios-u1-gromber05
collected 1 item

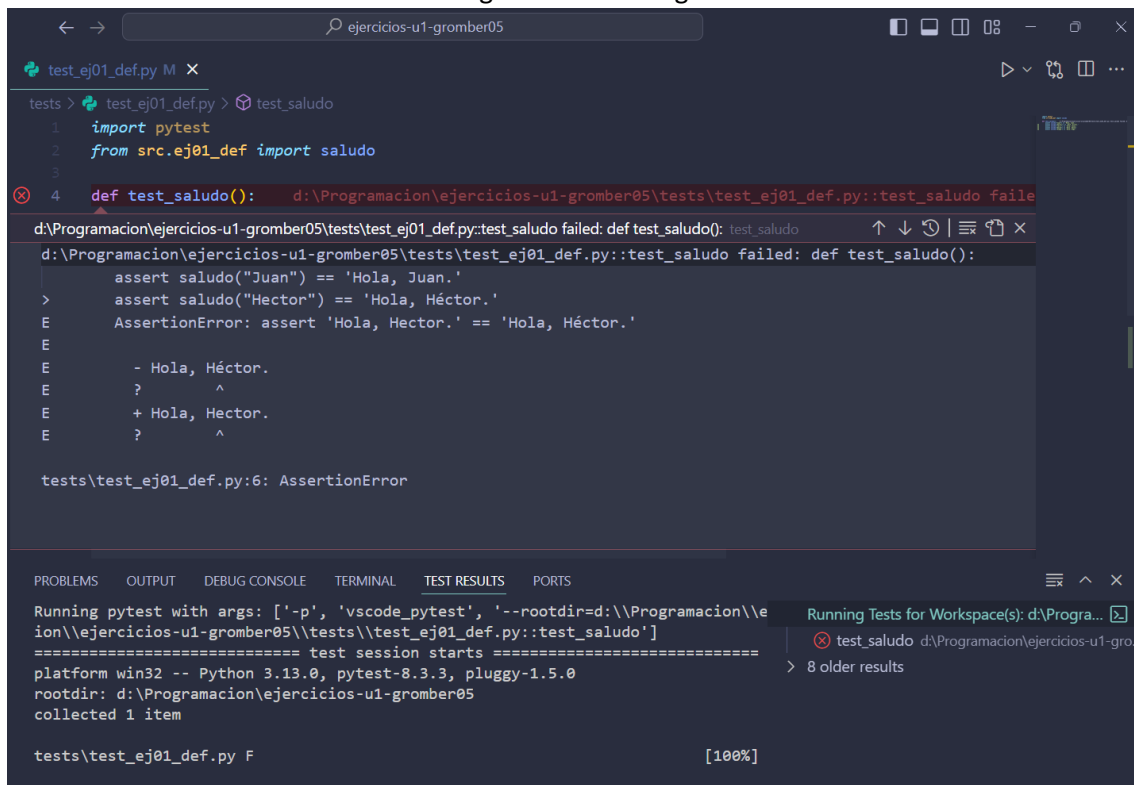
tests\test_ej01_def.py . [100%]

===== 1 passed in 0.03s =====
Finished running tests!
```

The test results panel shows a green checkmark for `test_saludo` and indicates 7 older results.

En esta primera imagen, se comprueba que la función saludo da lo esperado.

Ahora forcemos un fallo dentro del código cambiando algunas cosas.



The screenshot shows the same VS Code editor with the `test_ej01_def.py` file. The `test_saludo()` function is now failing. The error message in the terminal is:

```
d:\Programacion\ejercicios-u1-gromber05\tests\test_ej01_def.py:6: AssertionError
AssertionError: assert 'Hola, Hector.' == 'Hola, Héctor.'
E
E
E   - Hola, Héctor.
E   ?           ^
E   + Hola, Hector.
E   ?           ^
tests\test_ej01_def.py:6: AssertionError
```

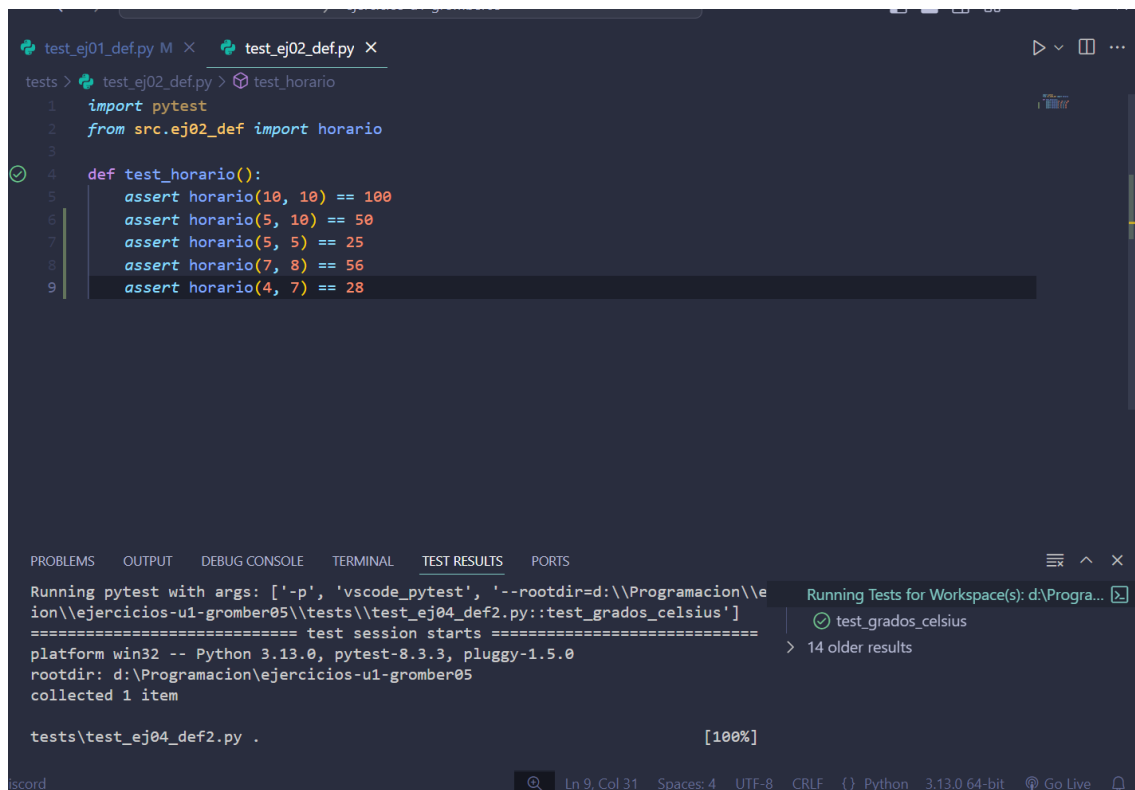
The test results panel shows a red X for `test_saludo` and indicates 8 older results. The terminal also shows the command used to run the test:

```
Running pytest with args: ['-p', 'vscode_pytest', '--rootdir=d:\\Programacion\\e
ion\\ejercicios-u1-gromber05\\tests\\test_ej01_def.py::test_saludo']
===== test session starts =====
platform win32 -- Python 3.13.0, pytest-8.3.3, pluggy-1.5.0
rootdir: d:\Programacion\ejercicios-u1-gromber05
collected 1 item

tests\test_ej01_def.py F [100%]
```

En este fragmento hemos eliminado algunas letras y añadido algunas tildes para forzar el error.

ej02_def



The screenshot shows the VS Code editor with two tabs: `test_ej01_def.py` and `test_ej02_def.py`. The `test_ej02_def.py` tab is active, displaying the following code:

```
1 import pytest
2 from src.ej02_def import horario
3
4 def test_horario():
5     assert horario(10, 10) == 100
6     assert horario(5, 10) == 50
7     assert horario(5, 5) == 25
8     assert horario(7, 8) == 56
9     assert horario(4, 7) == 28
```

The bottom panel shows the `TEST RESULTS` tab with the following output:

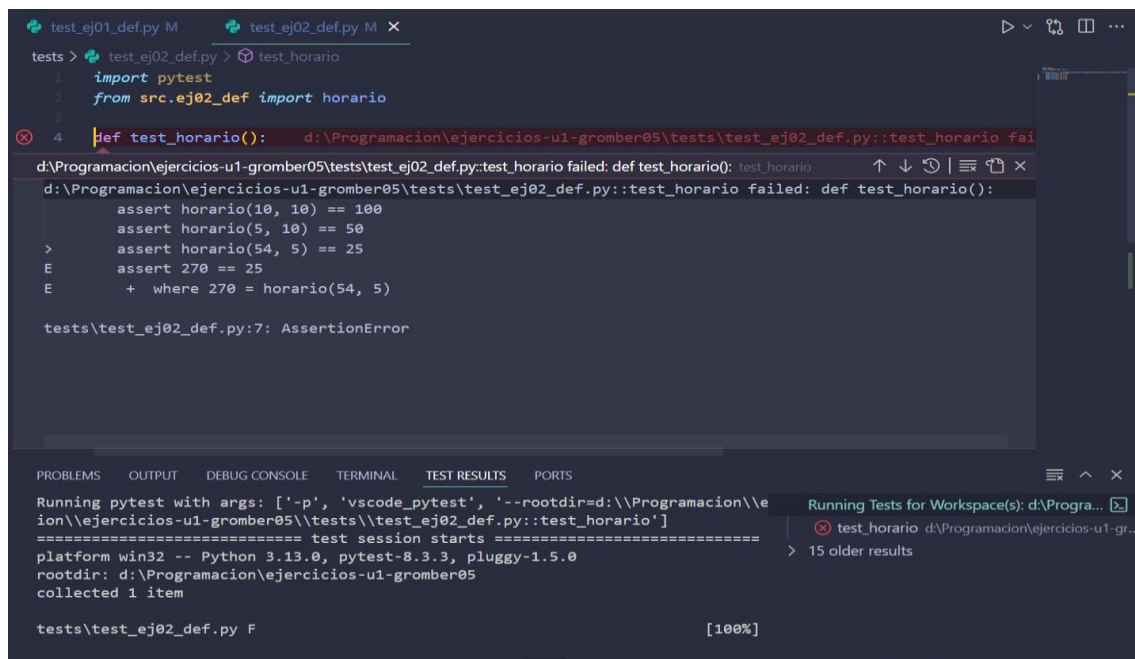
```
Running pytest with args: ['-p', 'vscode_pytest', '--rootdir=d:\\Programacion\\e
ion\\ejercicios-u1-gromber05\\tests\\test_ej04_def2.py::test_grados_celsius']
===== test session starts =====
platform win32 -- Python 3.13.0, pytest-8.3.3, pluggy-1.5.0
rootdir: d:\\Programacion\\ejercicios-u1-gromber05
collected 1 item

tests\\test_ej04_def2.py . [100%]
```

The right sidebar shows the `Running Tests for Workspace(s): d:\\Progra...` panel with a green checkmark and the text `test_grados_celsius` and `> 14 older results`.

En esta imagen se ve que todas las pruebas que le hemos hecho a la función `horario` han salido bien.

Ahora forcemos un error al código cambiando algunas operaciones.



The screenshot shows the VS Code editor with the same two tabs. The `test_ej02_def.py` tab is active, displaying the following code:

```
1 import pytest
2 from src.ej02_def import horario
3
4 def test_horario():
5     assert horario(10, 10) == 100
6     assert horario(5, 10) == 50
7     assert horario(54, 5) == 25
8     assert 270 == 25
9     + where 270 = horario(54, 5)
```

The bottom panel shows the `TEST RESULTS` tab with the following output:

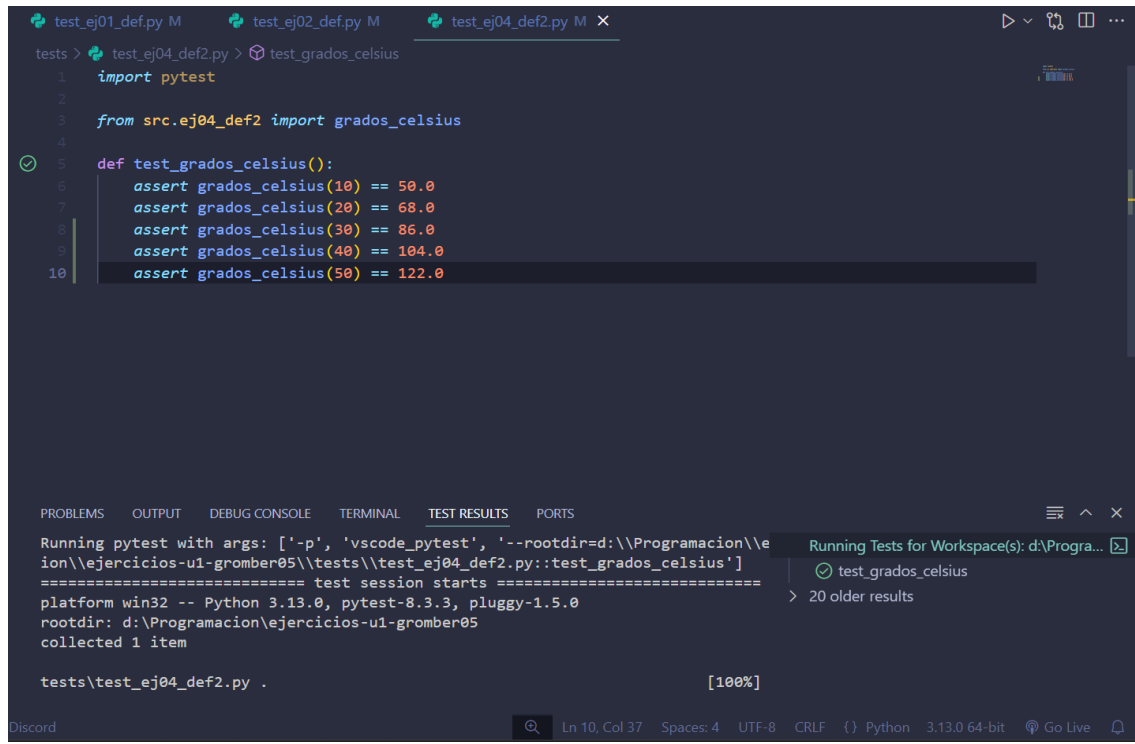
```
Running pytest with args: ['-p', 'vscode_pytest', '--rootdir=d:\\Programacion\\e
ion\\ejercicios-u1-gromber05\\tests\\test_ej02_def.py::test_horario']
===== test session starts =====
platform win32 -- Python 3.13.0, pytest-8.3.3, pluggy-1.5.0
rootdir: d:\\Programacion\\ejercicios-u1-gromber05
collected 1 item

tests\\test_ej02_def.py F [100%]
```

The right sidebar shows the `Running Tests for Workspace(s): d:\\Progra...` panel with a red X and the text `test_horario` and `> 15 older results`.

En este fragmento hemos forzado el error añadiendo algunas operaciones que están mal hechas.

ej04_def2



The screenshot shows the VS Code editor with a file named `test_ej04_def2.py` open. The code defines a function `test_grados_celsius()` that contains five assertions for the `grados_celsius` function. The assertions are: `assert grados_celsius(10) == 50.0`, `assert grados_celsius(20) == 68.0`, `assert grados_celsius(30) == 86.0`, `assert grados_celsius(40) == 104.0`, and `assert grados_celsius(50) == 122.0`. The bottom panel shows the 'TEST RESULTS' tab with a green checkmark and the text 'Running Tests for Workspace(s): d:\Progra...'. The test session starts successfully, and the results show 'test_grados_celsius' passed with 20 older results.

```
1 import pytest
2
3 from src.ej04_def2 import grados_celsius
4
5 def test_grados_celsius():
6     assert grados_celsius(10) == 50.0
7     assert grados_celsius(20) == 68.0
8     assert grados_celsius(30) == 86.0
9     assert grados_celsius(40) == 104.0
10    assert grados_celsius(50) == 122.0
```

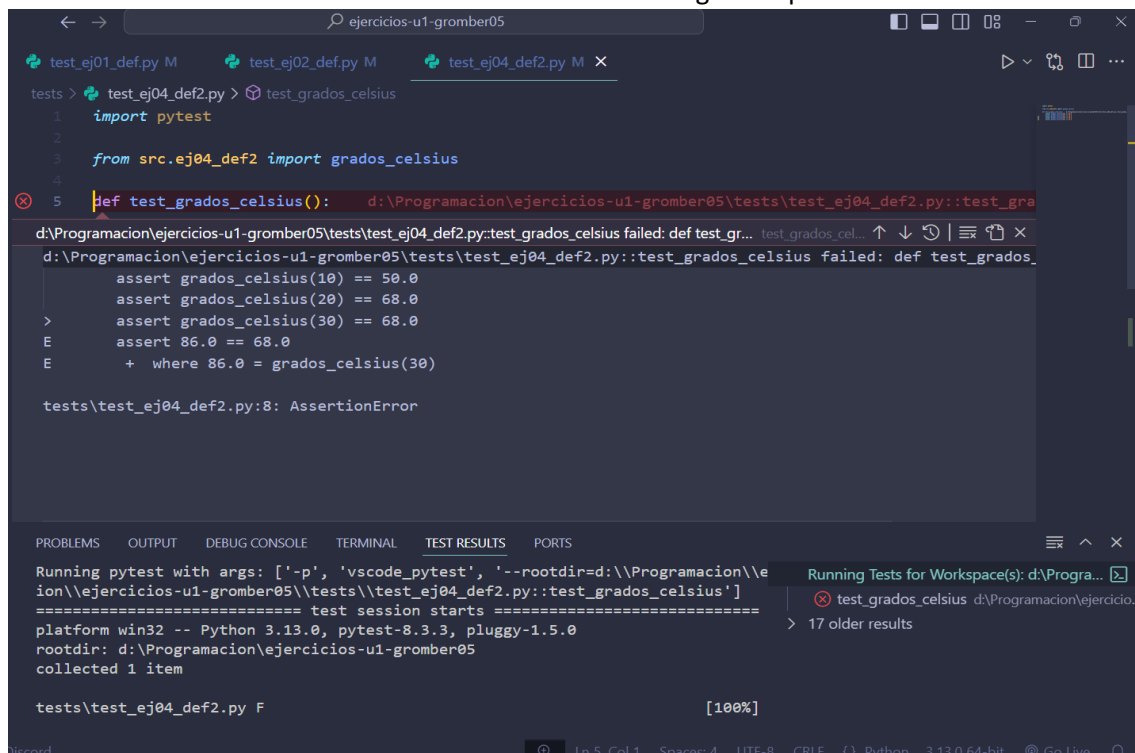
Running pytest with args: ['-p', 'vscode_pytest', '--rootdir=d:\Programacion\ejercicios-u1-gromber05\tests\test_ej04_def2.py::test_grados_celsius']
===== test session starts =====
platform win32 -- Python 3.13.0, pytest-8.3.3, pluggy-1.5.0
rootdir: d:\Programacion\ejercicios-u1-gromber05
collected 1 item

tests\test_ej04_def2.py . [100%]

Running Tests for Workspace(s): d:\Progra...
✓ test_grados_celsius
> 20 older results

En esta imagen se ve que todas las pruebas que le hemos hecho a la función `grados_celsius` han salido bien.

Forcemos un error en el test cambiando el resultado de algunas operaciones.



The screenshot shows the VS Code editor with the same file `test_ej04_def2.py`. The code is identical to the previous image. However, the bottom panel shows the 'TEST RESULTS' tab with a red X and the text 'Running Tests for Workspace(s): d:\Progra...'. The test session starts, but the results show 'test_grados_celsius' failed with 17 older results. The error message in the terminal is 'tests\test_ej04_def2.py:8: AssertionError'.

```
1 import pytest
2
3 from src.ej04_def2 import grados_celsius
4
5 def test_grados_celsius():
6     assert grados_celsius(10) == 50.0
7     assert grados_celsius(20) == 68.0
8     assert grados_celsius(30) == 68.0
9     + where 86.0 = grados_celsius(30)
10
```

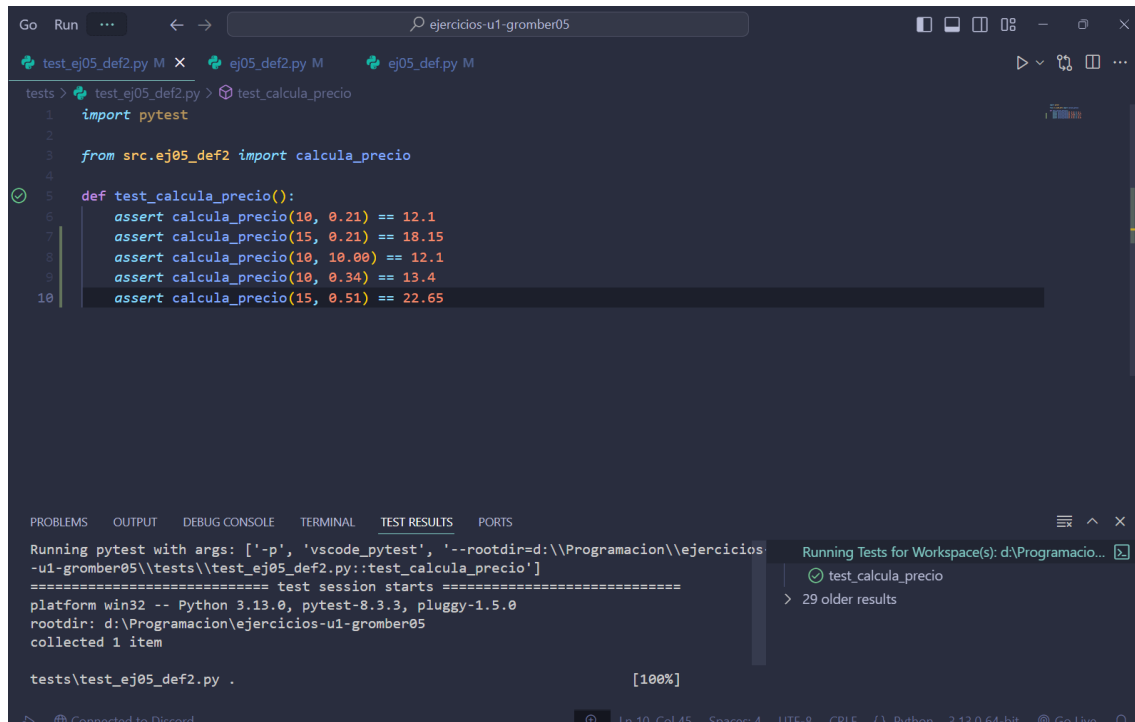
Running pytest with args: ['-p', 'vscode_pytest', '--rootdir=d:\Programacion\ejercicios-u1-gromber05\tests\test_ej04_def2.py::test_grados_celsius']
===== test session starts =====
platform win32 -- Python 3.13.0, pytest-8.3.3, pluggy-1.5.0
rootdir: d:\Programacion\ejercicios-u1-gromber05
collected 1 item

tests\test_ej04_def2.py F [100%]

Running Tests for Workspace(s): d:\Progra...
✗ test_grados_celsius d:\Programacion\ejercicio...
> 17 older results

En este fragmento hemos forzado el error añadiendo algunos resultados que están mal hechas.

ej05_def2



The screenshot shows the VS Code editor with a file named `test_ej05_def2.py` open. The code defines a function `test_calcula_precio()` that contains five `assert` statements. The bottom panel shows the `TEST RESULTS` tab with a green checkmark indicating that the test passed. The terminal panel shows the output of the `pytest` command, including the platform, Python version, and the test session results.

```
Go Run ... ← → ejercicios-u1-gromber05

test_ej05_def2.py M X ej05_def2.py M ej05_def.py M

tests > test_ej05_def2.py > test_calcula_precio

1 import pytest
2
3 from src.ej05_def2 import calcula_precio
4
5 def test_calcula_precio():
6     assert calcula_precio(10, 0.21) == 12.1
7     assert calcula_precio(15, 0.21) == 18.15
8     assert calcula_precio(10, 10.00) == 12.1
9     assert calcula_precio(10, 0.34) == 13.4
10    assert calcula_precio(15, 0.51) == 22.65

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL TEST RESULTS PORTS

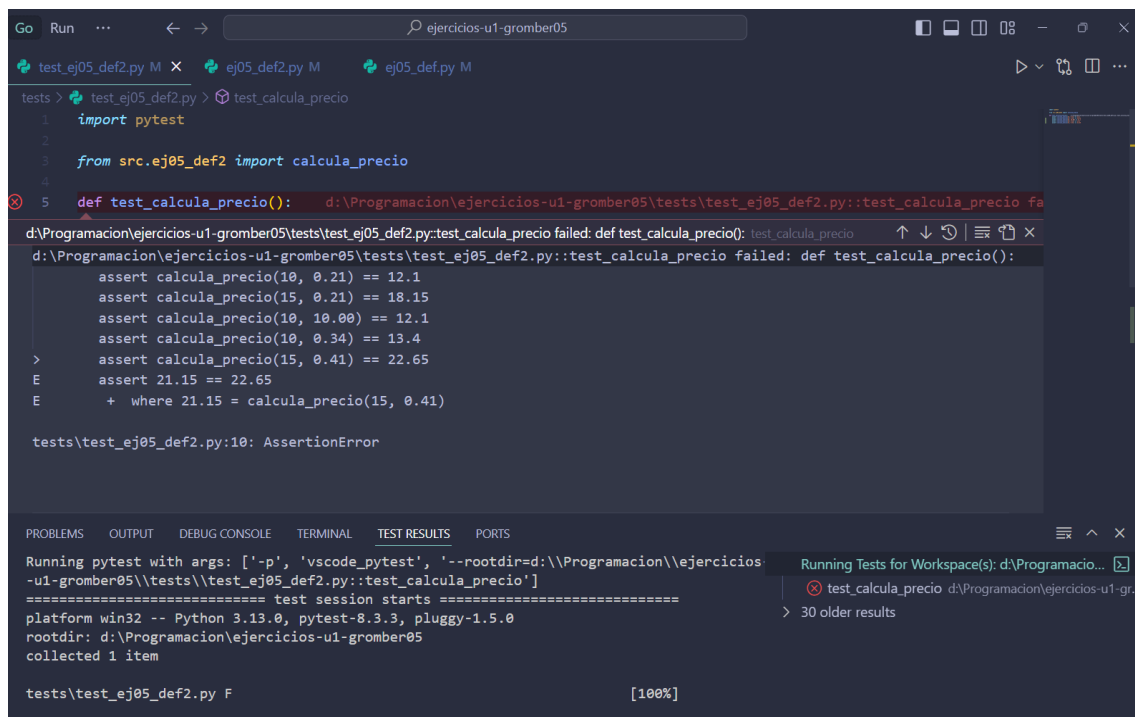
Running pytest with args: ['-p', 'vscode_pytest', '--rootdir=d:\\Programacion\\ejercicios-u1-gromber05\\tests\\test_ej05_def2.py::test_calcula_precio']
===== test session starts =====
platform win32 -- Python 3.13.0, pytest-8.3.3, pluggy-1.5.0
rootdir: d:\\Programacion\\ejercicios-u1-gromber05
collected 1 item

tests\\test_ej05_def2.py . [100%]

Running Tests for Workspace(s): d:\\Programacio...
✓ test_calcula_precio
> 29 older results
```

En esta imagen se ve que todas las pruebas que le hemos hecho a la función `calcula_precio` han salido bien.

Forcemos un error en el test cambiando el resultado de algunas operaciones.



The screenshot shows the VS Code editor with the same file `test_ej05_def2.py`. The code is identical to the previous image, but the `assert` statement on line 10 has been changed to `assert calcula_precio(15, 0.41) == 22.65`. The bottom panel shows the `TEST RESULTS` tab with a red X indicating that the test failed. The terminal panel shows the output of the `pytest` command, including the platform, Python version, and the test session results.

```
Go Run ... ← → ejercicios-u1-gromber05

test_ej05_def2.py M X ej05_def2.py M ej05_def.py M

tests > test_ej05_def2.py > test_calcula_precio

1 import pytest
2
3 from src.ej05_def2 import calcula_precio
4
5 def test_calcula_precio():
6     assert calcula_precio(10, 0.21) == 12.1
7     assert calcula_precio(15, 0.21) == 18.15
8     assert calcula_precio(10, 10.00) == 12.1
9     assert calcula_precio(10, 0.34) == 13.4
10    assert calcula_precio(15, 0.41) == 22.65

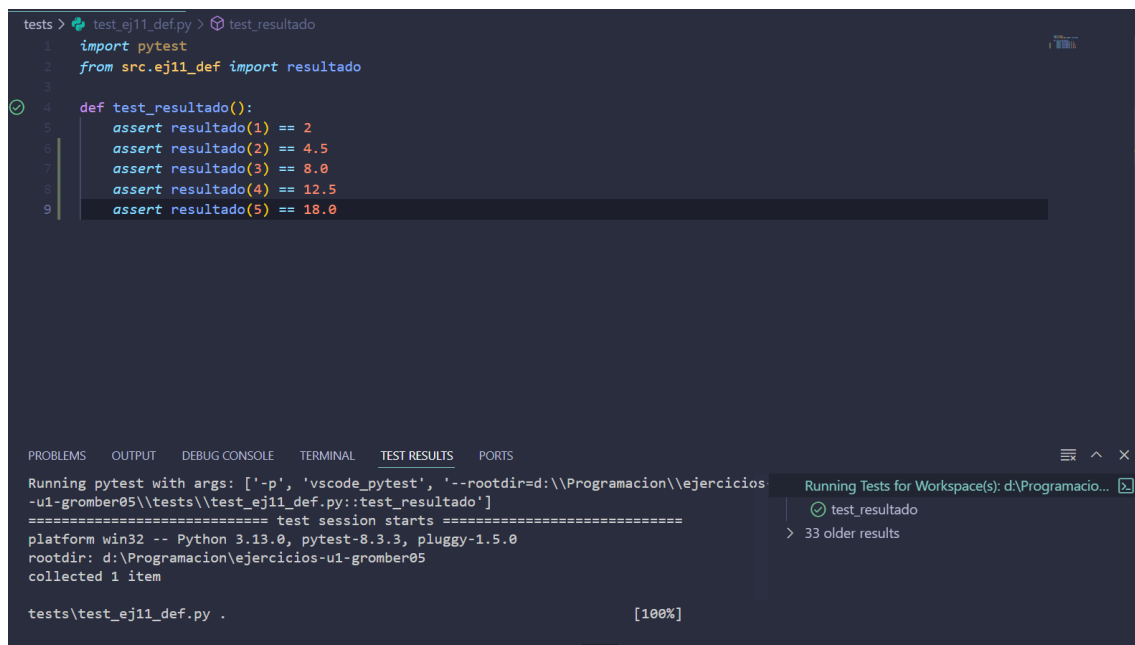
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL TEST RESULTS PORTS

Running pytest with args: ['-p', 'vscode_pytest', '--rootdir=d:\\Programacion\\ejercicios-u1-gromber05\\tests\\test_ej05_def2.py::test_calcula_precio']
===== test session starts =====
platform win32 -- Python 3.13.0, pytest-8.3.3, pluggy-1.5.0
rootdir: d:\\Programacion\\ejercicios-u1-gromber05
collected 1 item

tests\\test_ej05_def2.py F [100%]

Running Tests for Workspace(s): d:\\Programacio...
✗ test_calcula_precio
> 30 older results
```

ej11 def



The image shows a VS Code editor with a Python file named `test_ej11_def.py` in the `tests` directory. The file contains the following code:

```
1 import pytest
2 from src.ej11_def import resultado
3
4 def test_resultado():
5     assert resultado(1) == 2
6     assert resultado(2) == 4.5
7     assert resultado(3) == 8.0
8     assert resultado(4) == 12.5
9     assert resultado(5) == 18.0
```

The bottom panel shows the `TEST RESULTS` tab with the following output:

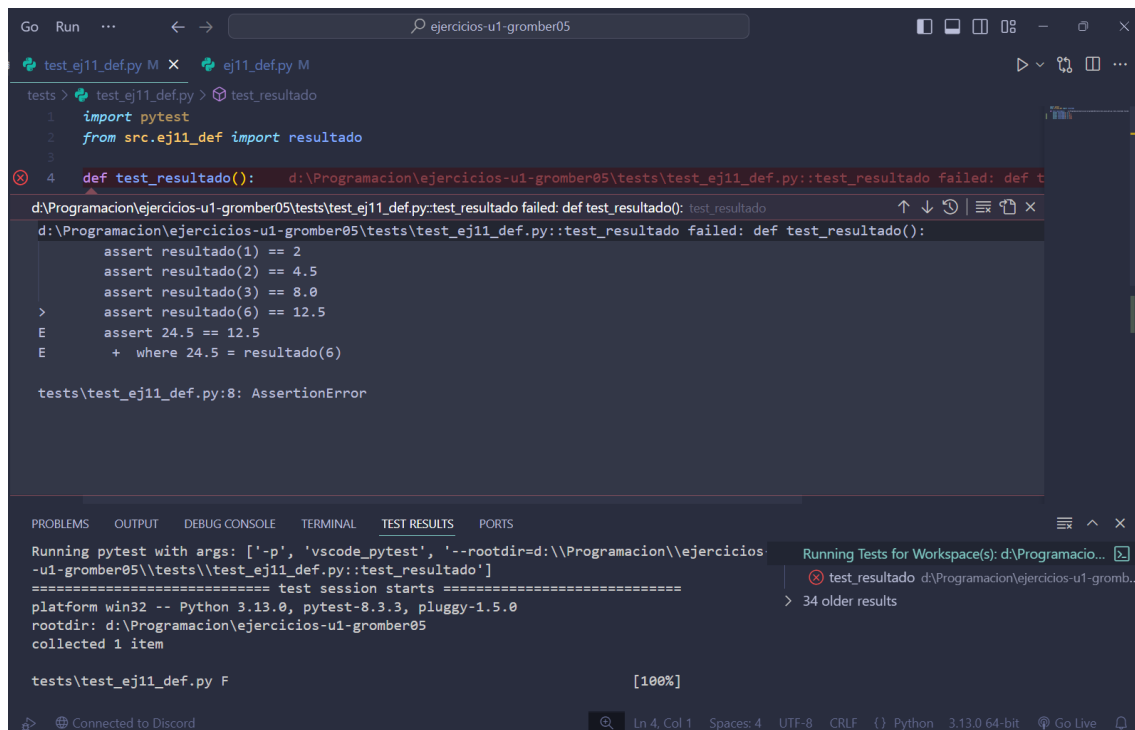
```
Running pytest with args: ['-p', 'vscode_pytest', '--rootdir=d:\Programacion\ejercicios-
-u1-gromber05\tests\test_ej11_def.py::test_resultado']
===== test session starts =====
platform win32 -- Python 3.13.0, pytest-8.3.3, pluggy-1.5.0
rootdir: d:\Programacion\ejercicios-u1-gromber05
collected 1 item

tests\test_ej11_def.py . [100%]
```

The right sidebar shows the `Running Tests for Workspace(s): d:\Programacio...` panel with a green checkmark next to `test_resultado` and a link to `33 older results`.

En esta imagen se ve que todas las operaciones que le hemos hecho a la función resultado han salido bien.

Forcemos un error en el test cambiando el resultado de algunas operaciones y cambiando los factores de otras.



The image shows the same VS Code editor as before, but now the `test_ej11_def.py` file has been modified to include a failing assertion:

```
4 def test_resultado():
5     assert resultado(1) == 2
6     assert resultado(2) == 4.5
7     assert resultado(3) == 8.0
8     assert resultado(6) == 12.5
9     assert 24.5 == 12.5
```

The bottom panel shows the `TEST RESULTS` tab with the following output:

```
Running pytest with args: ['-p', 'vscode_pytest', '--rootdir=d:\Programacion\ejercicios-
-u1-gromber05\tests\test_ej11_def.py::test_resultado']
===== test session starts =====
platform win32 -- Python 3.13.0, pytest-8.3.3, pluggy-1.5.0
rootdir: d:\Programacion\ejercicios-u1-gromber05
collected 1 item

tests\test_ej11_def.py F [100%]
```

The right sidebar shows the `Running Tests for Workspace(s): d:\Programacio...` panel with a red X next to `test_resultado` and a link to `34 older results`.

Al cambiar valores, nos detecta el error y nos manda un output diciéndonos donde está el error.