

Install Python 3.13

<https://www.python.org/downloads/windows/>

Install PyCharm Community 2024.3

<https://www.jetbrains.com/pycharm/download/?section=windows>

We value the vibrant Python community, and that's why we proudly offer the PyCharm Community Edition for free, as our open-source contribution to support the Python ecosystem.

 **PyCharm Community Edition**

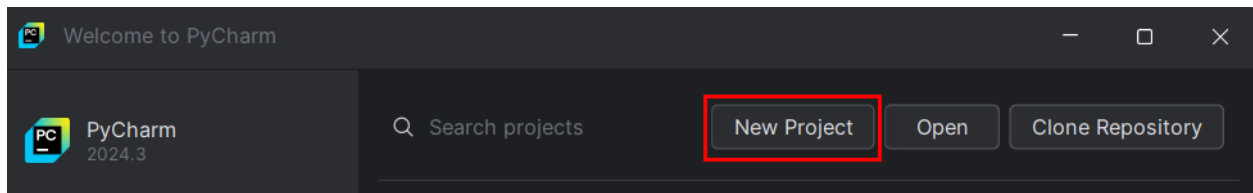
The IDE for Pure Python Development

Download

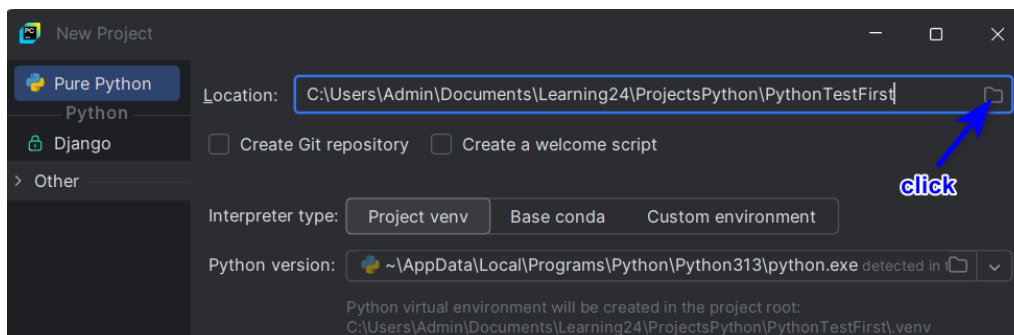
.exe (Windows) ▼

Free, built on open source

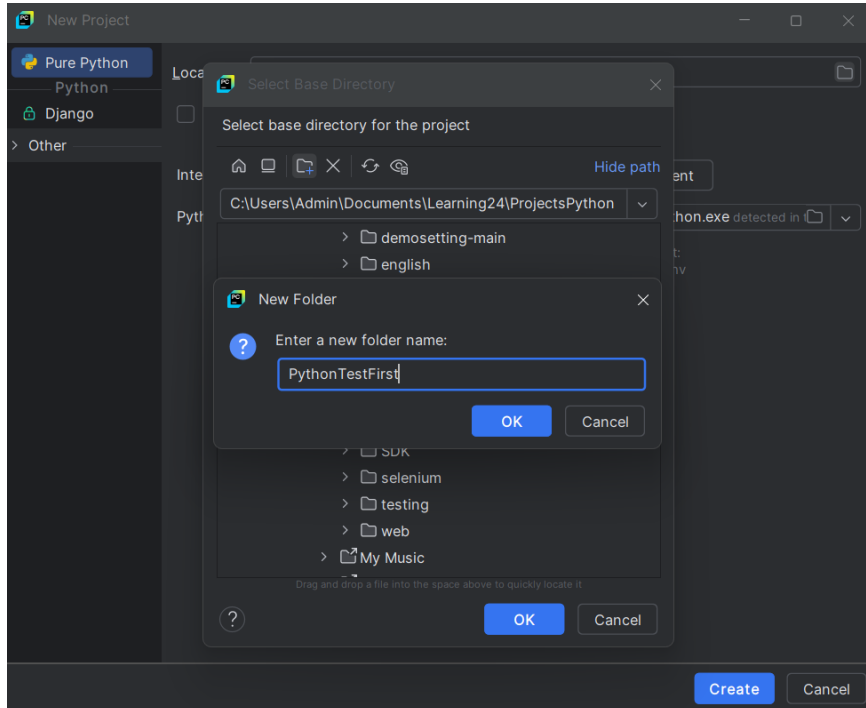
Create Project



Nếu cần thay đổi đường dẫn chứa project, không thì để mặc định:

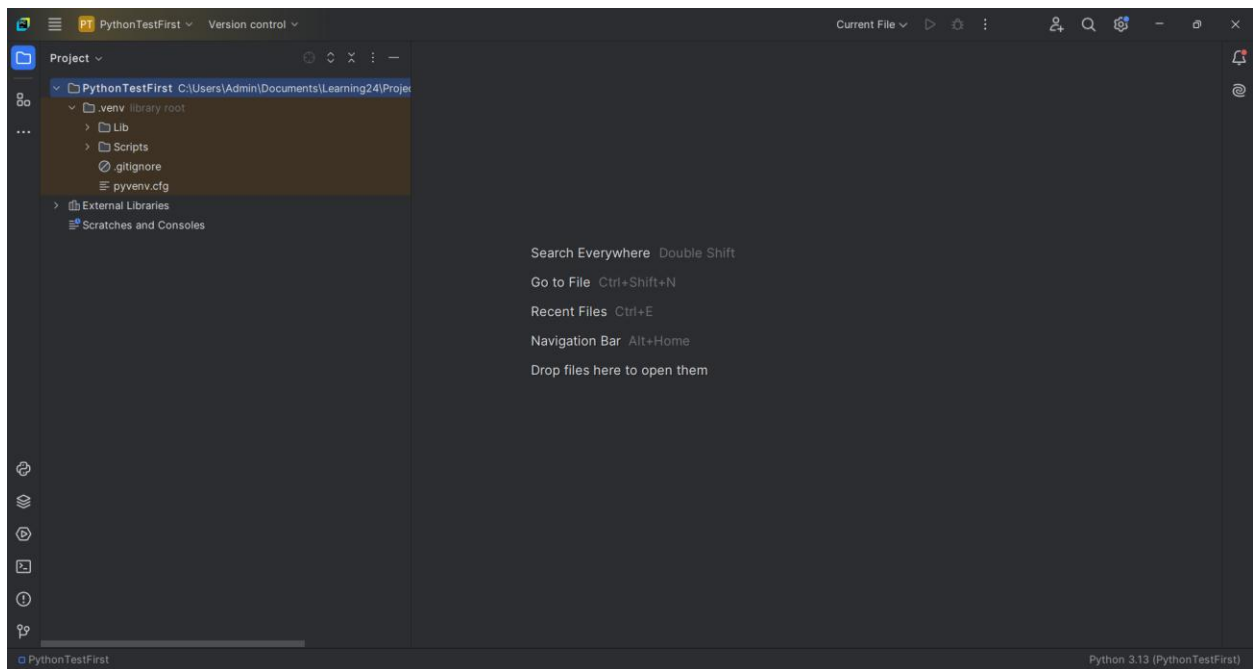


Tạo tên project



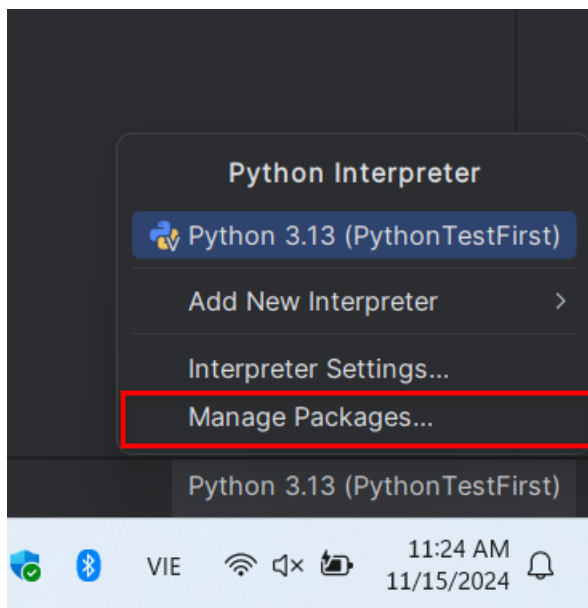
Nhấp Create button

Kết quả:

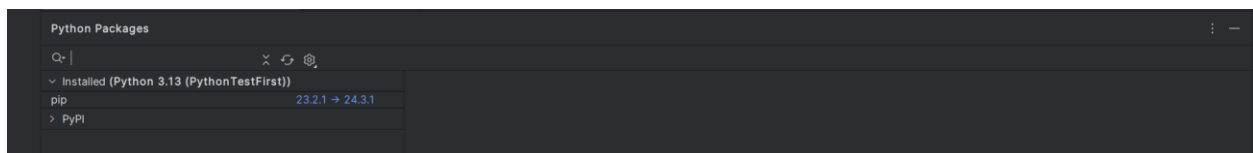


Cài thư viện

Chọn Manage Packages...



Hiện ra:



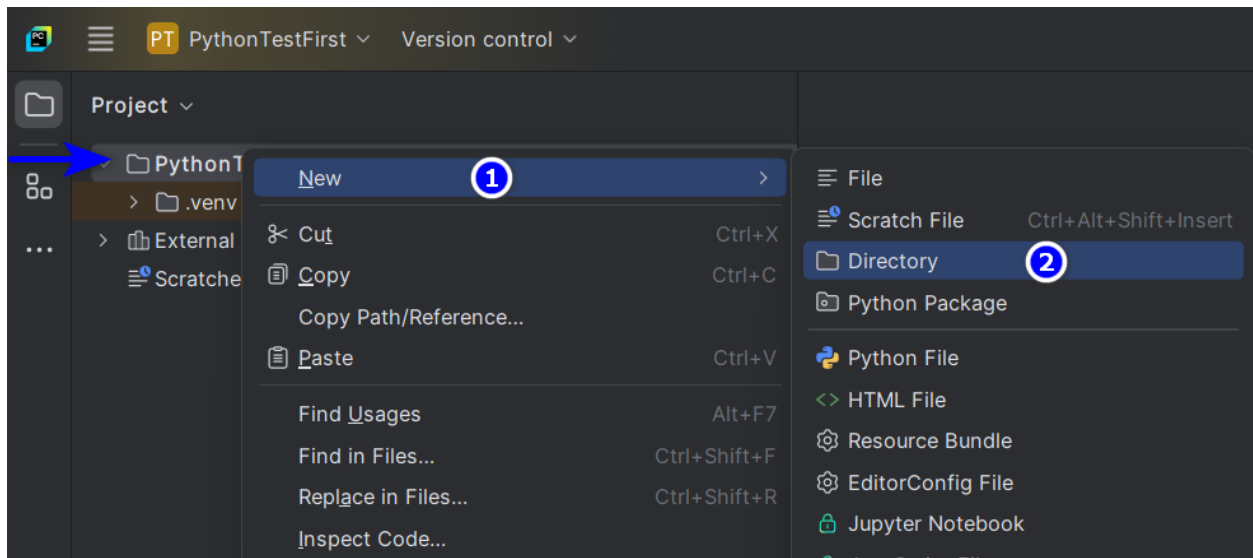
Gõ Pyltest trong khung search → click “Install”



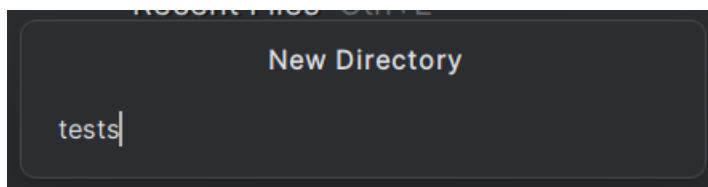
Chọn version 8.3.3 mới nhất



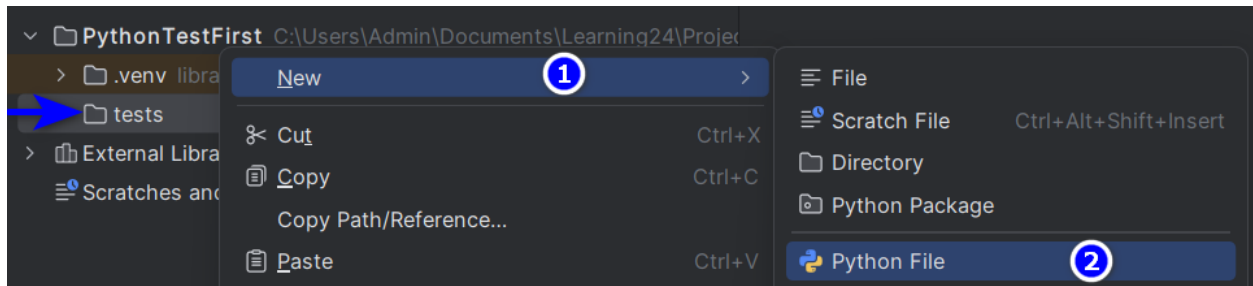
Tạo thư mục trong project



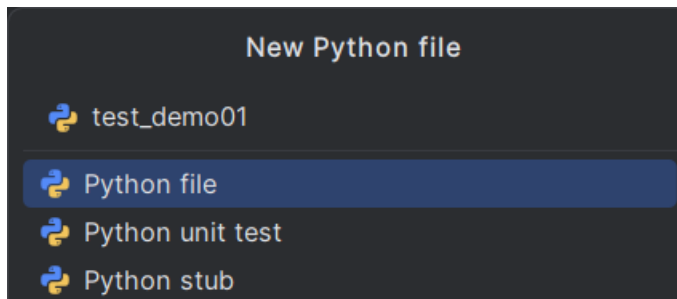
Và



Tạo file trong thư mục tests



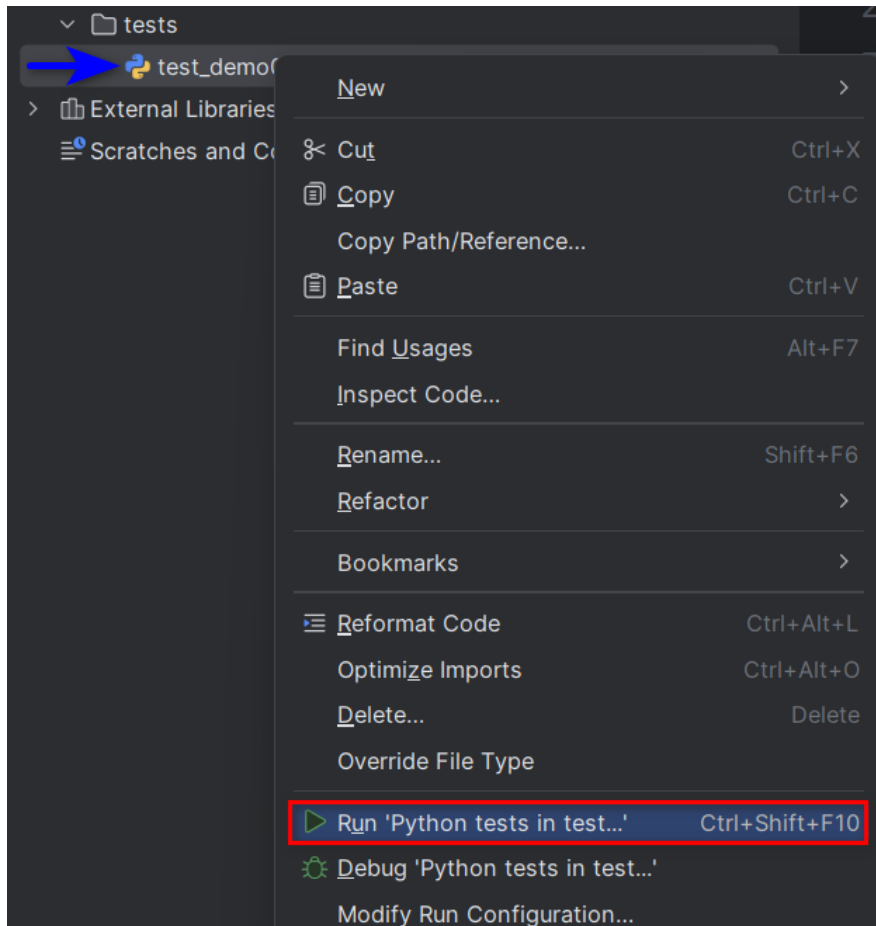
Và



Cho 1 vài dòng code:

```
def func(x):  
    return x + 1  
  
class TestCases:  
    def test_1(self):  
        assert func(2) == 3  
  
    def test_2(self):  
        assert func(3) == 5  
  
    def test_3(self):  
        assert func(4) == 5
```

Chạy code



Kết quả:

```
Testing started at 11:40 AM ...
Launching pytest with arguments
C:\Users\Admin\Documents\Learning24\ProjectsPython\PythonTestFirst\tests\test_demo01.py --no-header --no-summary -q in
C:\Users\Admin\Documents\Learning24\ProjectsPython\PythonTestFirst\tests

===== test session starts
=====
collecting ... collected 3 items

test_demo01.py::TestCases::test_1 PASSED [ 33%]
test_demo01.py::TestCases::test_2 FAILED [ 66%]
test_demo01.py:7 (TestCases.test_2)
4 != 5
```

Expected :5

Actual :4

<Click to see difference>

self = <test_demo01.TestCases object at 0x000001D43103F390>

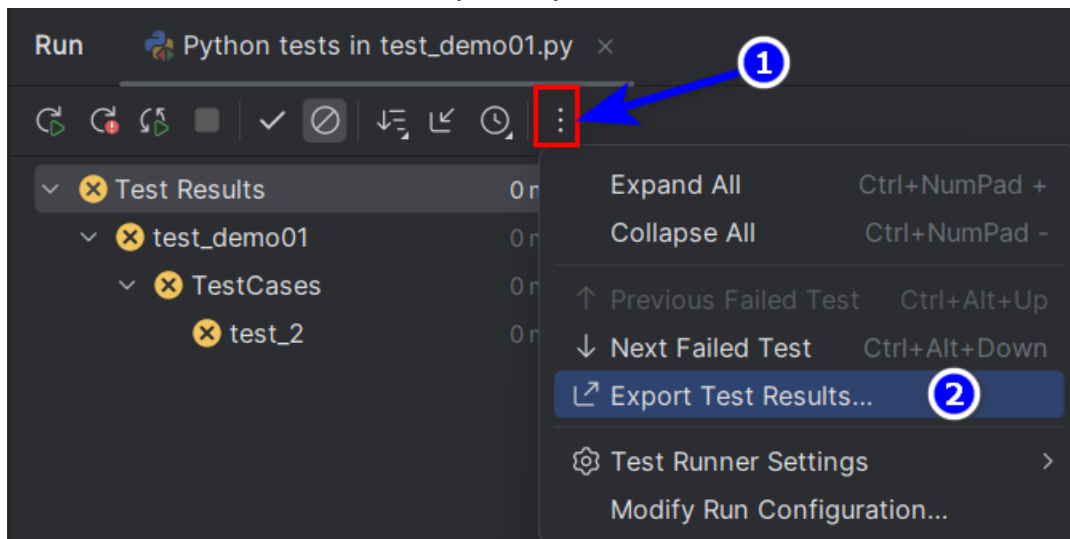
```
def test_2(self):  
> assert func(3) == 5  
E assert 4 == 5  
E + where 4 = func(3)
```

test_demo01.py:9: AssertionError

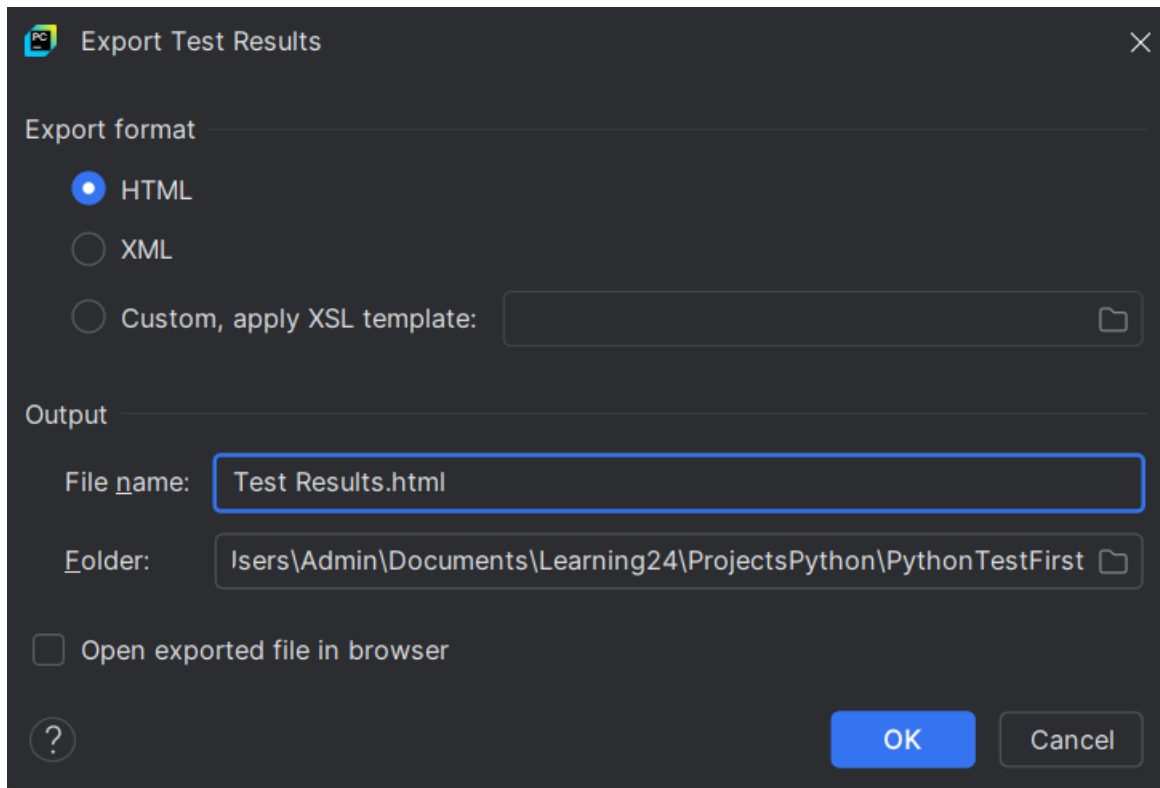
test_demo01.py::TestCases::test_3 PASSED [100%]

===== 1 failed, 2 passed in 0.05s
=====

Xuất file html để xem kết quả report:







Và



The image shows a dark-themed dialog box titled "Export Test Results". It has a close button (X) in the top right corner. Under the "Export format" section, there are three radio buttons: "HTML" (which is selected), "XML", and "Custom, apply XSL template:" (which has an empty text field and a folder icon next to it). Under the "Output" section, there are two text fields: "File name:" containing "Test Results.html" and "Folder:" containing "Isers\Admin\Documents\Learning24\ProjectsPython\PythonTestFirst", both with folder icons to their right. Below these fields is a checkbox labeled "Open exported file in browser" which is currently unchecked. At the bottom left is a help icon (question mark), and at the bottom right are "OK" and "Cancel" buttons.

Nhấp OK

Kiểm tra file tồn tại:

<input type="checkbox"/> Name	Date modified	Type	Size
 .idea	11/15/2024 11:41 AM	File folder	
 .venv	11/15/2024 11:18 AM	File folder	
 tests	11/15/2024 11:40 AM	File folder	
<input checked="" type="checkbox"/>  Test Results.html	11/15/2024 11:48 AM	Chrome HTML Do...	46 KB

Chạy file html report

: 3 total, 1 failed, 2 passed			0 ms
			Collapse Expand
test_demo01			0 ms
TestCases			0 ms
test_1		passed	0 ms
PASSED [33%]			
test_2		failed	0 ms
FAILED [66%] test_demo01.py:7 (TestCases.test_2) 4 != 5 self = <test_demo01.TestCases object at 0x000001D43103F390> def test_2(self): > assert func(3) == 5 E assert 4 == 5 E + where 4 = func(3) test_demo01.py:9: AssertionError			
test_3		passed	0 ms
PASSED [100%]			
Generated by PyCharm on 11/15/24, 11:48 AM			