

PyTest – How To

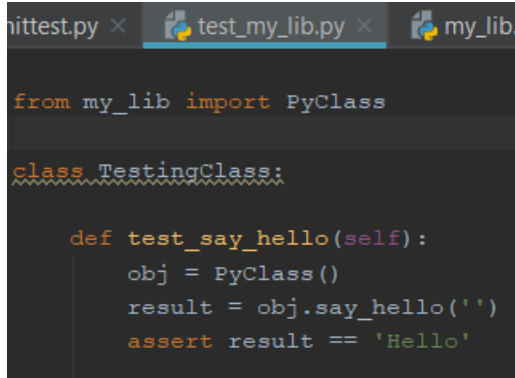
Installation:

- In PyCharm go to “File” -> “Settings” -> “Project Interpreter” -> “+” -> enter “pytest” -> press “Install Package”

PyTest can now be used.

Creating a test:

- Create a python file, with a name that looks like “test_(filename).py”
- You can now create a function in this test that looks like: “def test_(function name)():”
- In this function create an assertion like: “assert 1 == 1”



```
from my_lib import PyClass

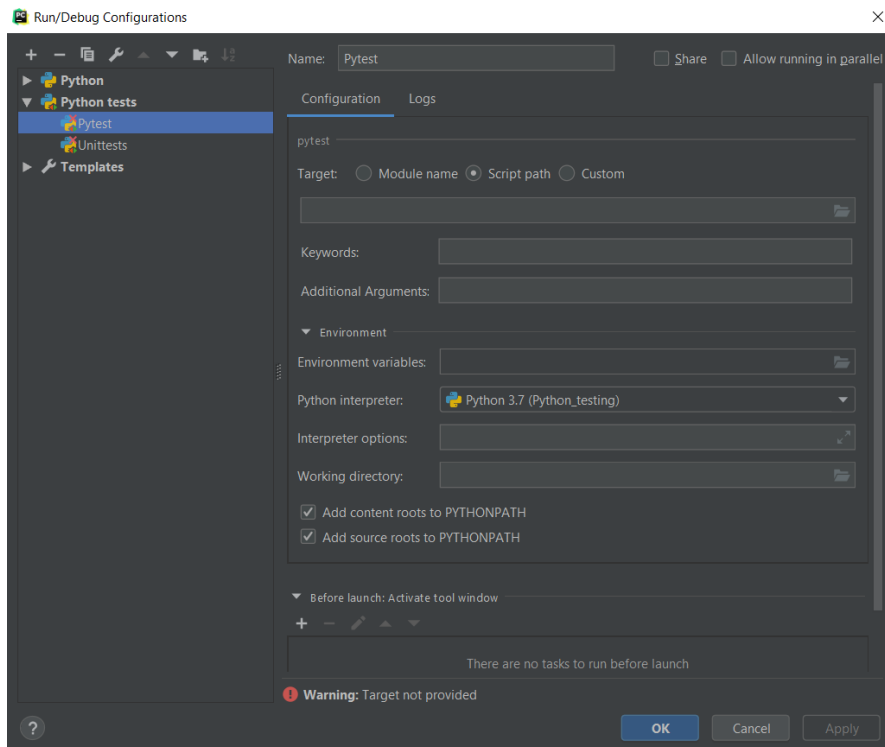
class TestingClass:

    def test_say_hello(self):
        obj = PyClass()
        result = obj.say_hello('')
        assert result == 'Hello'
```

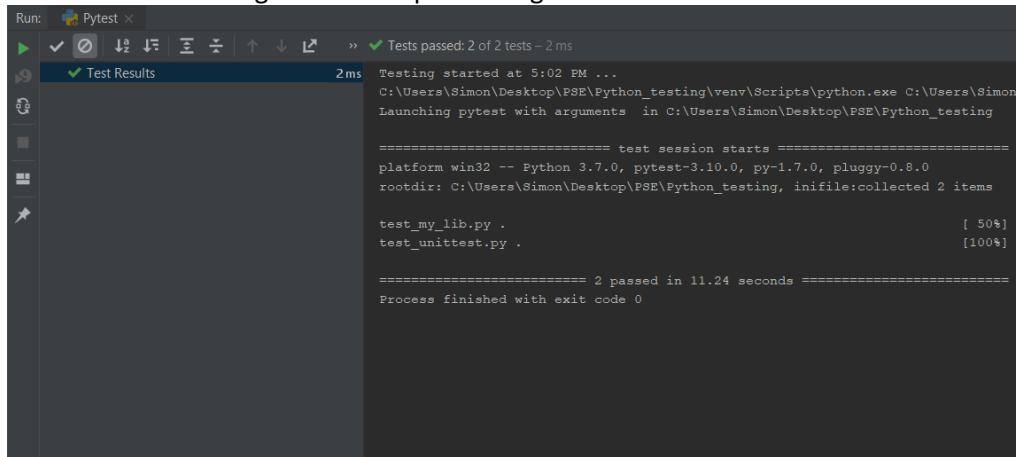
- You are free to create classes for your tests or just create the functions

Run tests:

- In PyCharm go to “Run” -> “Edit Configurations” -> “+” -> “Python tests” -> “pytest” -> “OK”



- Now select this configuration and press the green arrow to run the tests



The screenshot shows a terminal window titled 'Run: Pytest x'. The terminal output indicates that tests were passed successfully. The output text is as follows:

```
Run: Pytest x
>> Tests passed: 2 of 2 tests - 2 ms

Test Results 2 ms
Testing started at 5:02 PM ...
C:\Users\Simon\Desktop\PSE\Python_testing\venv\Scripts\python.exe C:\Users\Simon\Desktop\PSE\Python_testing
Launching pytest with arguments in C:\Users\Simon\Desktop\PSE\Python_testing

===== test session starts =====
platform win32 -- Python 3.7.0, pytest-3.10.0, py-1.7.0, pluggy-0.8.0
rootdir: C:\Users\Simon\Desktop\PSE\Python_testing, inifile:collected 2 items

test_my_lib.py . [ 50%]
test_unittest.py . [100%]

===== 2 passed in 11.24 seconds =====
Process finished with exit code 0
```

More Information can be found at <https://docs.pytest.org/en/latest/contents.html>