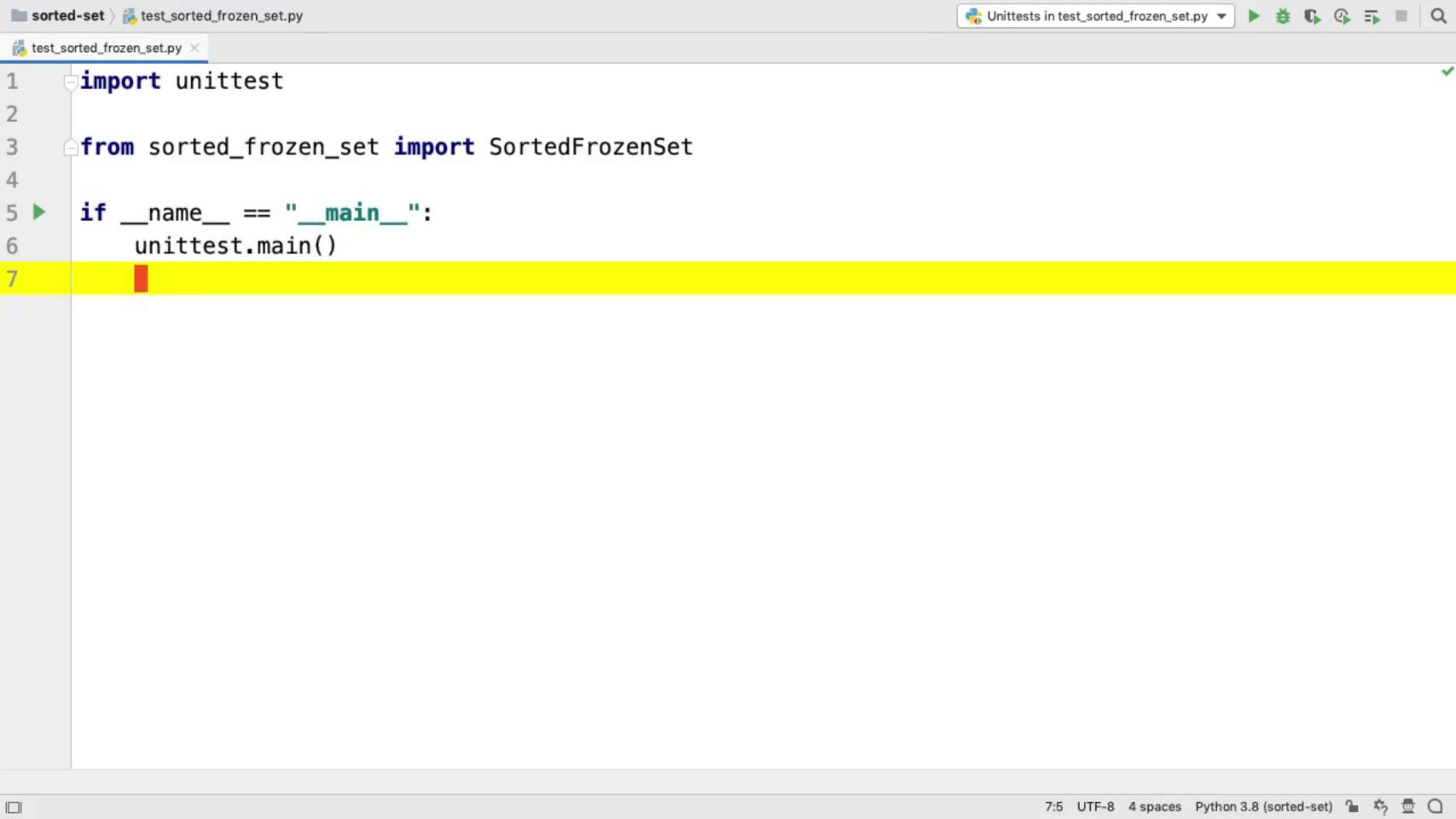
The Construction Convention



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Executing Unit Tests

```
$ python test_sorted_frozen_set.py -v
Traceback (most recent call last):
   File "test_sorted_frozen_set.py", line 3, in <module>
     from sorted_frozen_set import SortedFrozenSet
ModuleNotFoundError: No module named 'sorted_frozen_set'
$
```

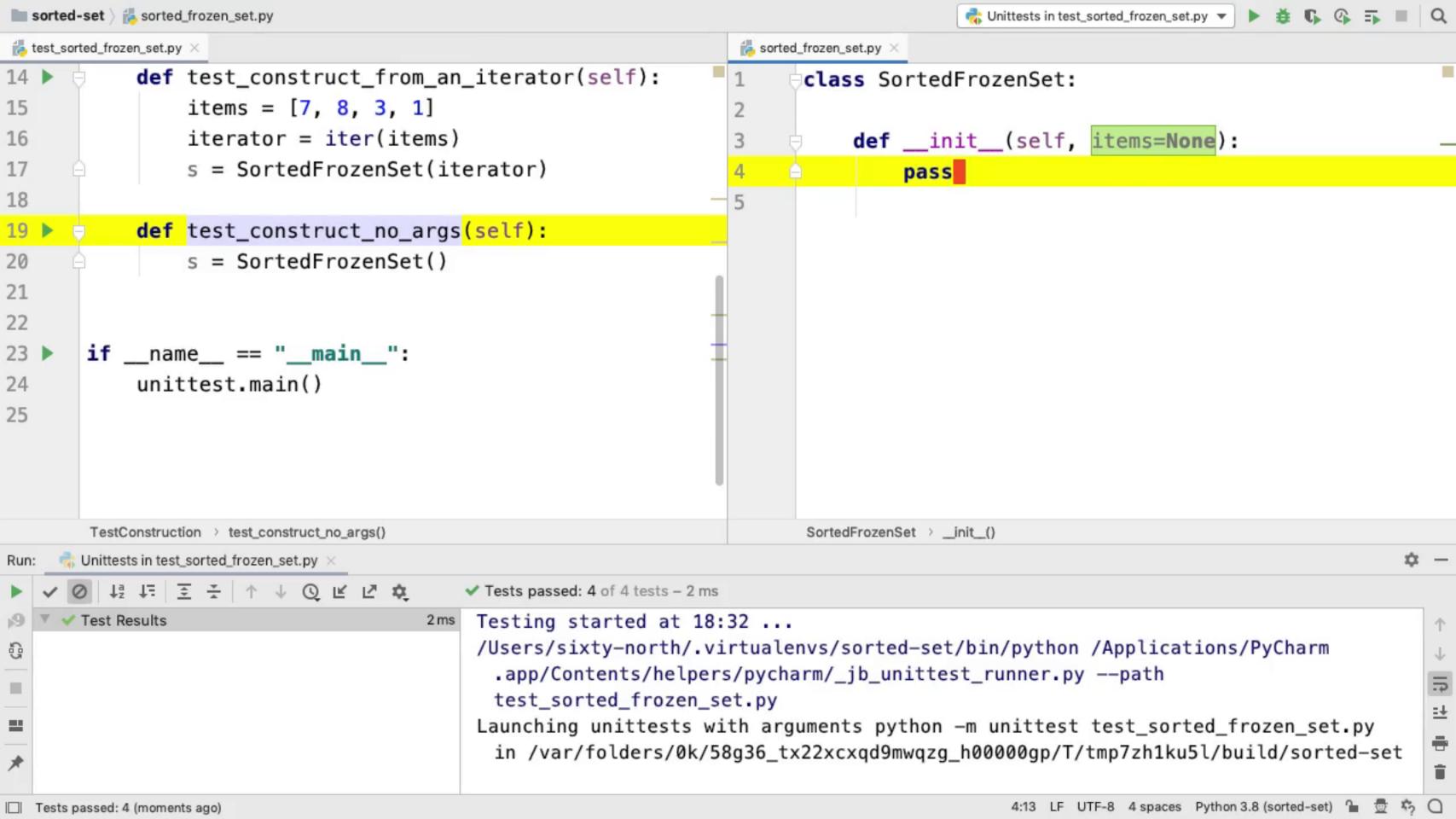


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unittest — Unit testing framework

Source code: Lib/unittest/__init__.py

(If you are already familiar with the basic concepts of testing, you might want to skip to the list of assert methods.)

The unittest unit testing framework was originally inspired by JUnit and has a similar flavor as major unit testing frameworks in other languages. It supports test automation, sharing of setup and shut down code for tests, aggregation of tests into collections, and independence of the tests from the reporting framework.

To achieve this, unittest supports some important concepts in an object-oriented way:

test fixture

3.8.5

A test fixture represents the preparation needed to perform one or more tests, and any associated cleanup actions. This may involve, for example, creating temporary or proxy databases, director ies, or starting a server process.

test case

A test case is the individual unit of testing. It checks for a specific response to a particular set of inputs. unittest provides a base class, TestCase, which may be used to create new test cases.

test suite

A *test suite* is a collection of test cases, test suites, or both. It is used to aggregate tests that should be executed together.

test runner

A test runner is a component which orchestrates the execution of tests and provides the outcome