

```
import pytest
from main import (
    create_test_data,
    get_students_with_ov_surname,
    get_average_rating,
    get_groups_starting_with_a
)

def test_students_with_ov_surname():
    groups, students, _ = create_test_data()
    result = get_students_with_ov_surname(groups, students)

    assert len(result) == 4

    assert result == [
        ('Иванов', 'АПервая'),
        ('Петров', 'АПервая'),
        ('Сидоров', 'Вторая'),
        ('Кузнецов', 'АТретья')
    ]

def test_average_rating():
    groups, students, _ = create_test_data()
    result = get_average_rating(groups, students)

    assert len(result) == 4

    assert result == [
        ('Четвертая', 4.75),
        ('АТретья', 4.7),
        ('АПервая', 4.65),
        ('Вторая', 4.2)
    ]

def test_groups_starting_with_a():
    groups, students, student_groups = create_test_data()
    result = get_groups_starting_with_a(groups, student_groups, students)

    assert isinstance(result, dict)

    assert len(result) == 2

    assert result == {
        'АПервая': ['Иванов', 'Петров'],
        'АТретья': ['Кузнецов']
    }
```

```
(R) PS C:\Users\SARU\Desktop\pcpl\VRK> pytest
===== test session starts =====
platform win32 -- Python 3.13.1, pytest-9.0.2, pluggy-1.6.0 -- C:\Users\SARU\Desktop\VRK\Scripts\python.exe
cachedir: .pytest_cache
rootdir: C:\Users\SARU\Desktop\pcpl\VRK
configfile: pytest.ini
testpaths: tests
collected 3 items

tests/test_student_group_queries.py::test_students_with_ov_surname PASSED [ 33%]
tests/test_student_group_queries.py::test_average_rating PASSED [ 66%]
tests/test_student_group_queries.py::test_groups_starting_with_a PASSED [100%]

===== warnings summary =====
..\VRK\Lib\site-packages\pytest\config\_init_.py:1428
C:\Users\SARU\Desktop\VRK\Lib\site-packages\pytest\config\_init_.py:1428: PytestConfigWarning: Unknown config option: pythonpaths
  self.warn_or_fail_if_strict(f"Unknown config option: {key}\n")

-- Docs: https://docs.pytest.org/en/stable/how-to/capture-warnings.html
===== 3 passed, 1 warning in 0.02s =====
```