1. Faza Red

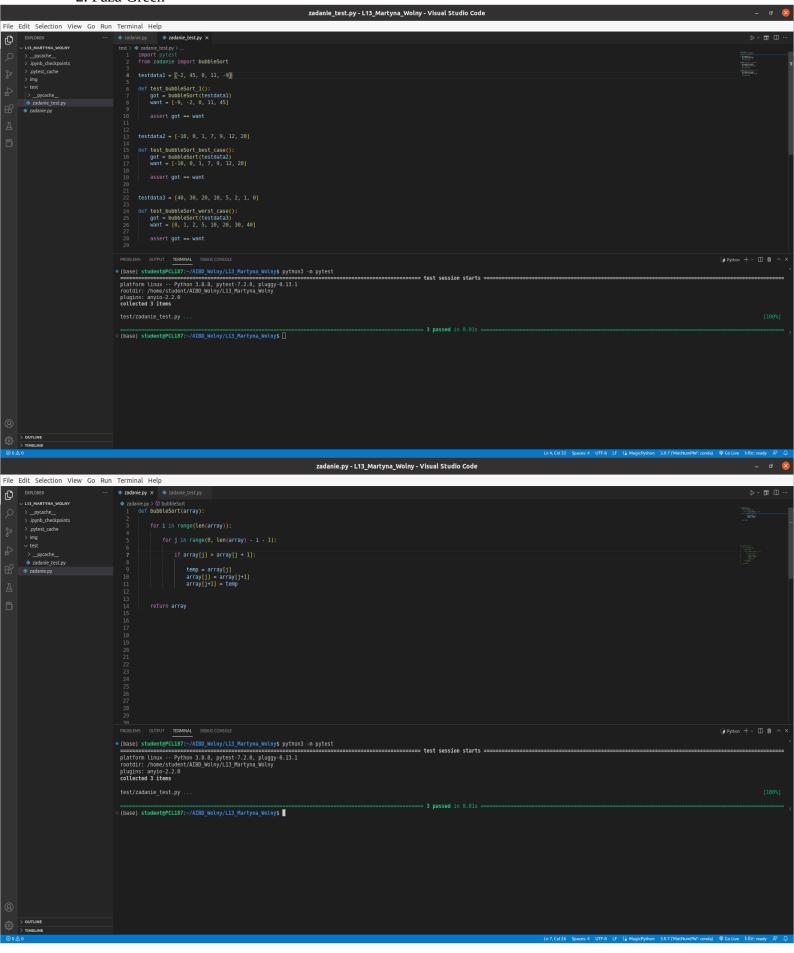
```
zadanie_test.py - L13_Martyna_Wolny - Visual Studio Code
File Edit Selection View Go Run Terminal Help
                                   > .ipynb_checkpoints
> .pytest_cache
> img
> test
> _pycache_

    zadanie_test.py

    zadanie.py
                                                                                                                                                                                                                                                                                   got = bubbleSort(testdata2)
want = [-10, 0, 1, 7, 9, 12, 20]
                                                                                                                                                                                                                                                        def test_bubbleSort_worst_case():
    got = bubbleSort(testdata3)
    want = [0, 1, 2, 5, 10, 20, 30, 40]
                                                                                                                                                                                                                                                 def test bubbleSort best case():
    got = bubbleSort(testdata2)
    want = [-10, 0, 1, 7, 9, 12, 20]
    assert got == want
    assert [20, 12, 9, 7, 1, 0, ...] == [-10, 0, 1, 7, 9, 12, ...]
    At index 0 diff: 20 le =-10
    Use -v to get more diff
                                                                                                                                                                                                                                                 def test bubbleSort worst case():
    got = bubbleSort(testdata3)
    want = [0, 1, 2, 5, 10, 20, 30, 40]
                                                                                                                                                                                                                            > assert got == want
E assert [40, 30, 20, 10, 5, 2, ...] == [0, 1, 2, 5, 10, 20, ...]
E At index 0 diff: 40 != 0
Use -v to get more diff

test/zadanie_test.py:28: AssertionError
                                                                                                                                                                                                                                test/zadanie_test.py::test_bubbleSort_1 - assert [45, 11, 0, -2, -9] == [-9, -2, 0, 11, 45]
FAILED test/zadanie_test.py::test_bubbleSort_best_case - assert [20, 12, 9, 7, 1, 0, ...] == [-10, 0, 1, 7, 9, 12, ...]
FAILED test/zadanie_test.py::test_bubbleSort_worst_case - assert [40, 30, 20, 10, 5, 2, ...] == [0, 1, 2, 5, 10, 20, ...]
**Silent to 0 005**
**Silen
 > OUTLINE
> TIMELINE
                                                                                                                                                                                                                              (base) student@PCL187:~/AIBD_Wolny/L13_Martyna_Wolny$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       zadanie.py - L13_Martyna_Wolny - Visual Studio Code
 ¢
                                                                                                                                                                                                                                                                       > assert got == want
E assert [40, 30, 20, 10, 5, 2, ...] == [0, 1, 2, 5, 10, 20, ...]
E At index 0 diff: 40 != 0
E Use -v to get more diff
test/zadanie_test.py;28: AssertionError
                                                                                                                                                                                                                                  FAILED test/zadanie_test.py::test_bubbleSort_1 - assert [45, 11, 0, -2, -9] == [-9, -2, 0, 11, 45]  
FAILED test/zadanie_test.py::test_bubbleSort_best_case - assert [20, 12, 9, 7, 1, 0, ...] == [-10, 0, 1, 7, 9, 12, ...]  
FAILED test/zadanie_test.py::test_bubbleSort_worst_case - assert [40, 30, 20, 10, 5, 2, ...] == [0, 1, 2, 5, 10, 20, ...]  
FAILED test/zadanie_test.py::test_bubbleSort_worst_case - assert [40, 30, 20, 10, 5, 2, ...] == [0, 1, 2, 5, 10, 20, ...]  
FAILED test/zadanie_test.py::test_bubbleSort_worst_case - assert [40, 30, 20, 10, 5, 2, ...] == [0, 1, 2, 5, 10, 20, ...]  
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FAILED test/zadanie_test.py::test_bubbleSort_worst_case - assert [40, 30, 20, 10, 5, 2, ...] == [0, 1, 2, 5, 10, 20, ...]  
FAILED test/zadanie_test.py::test_bubbleSort_worst_case - assert [40, 30, 20, 10, 5, 2, ...] == [0, 1, 2, 5, 10, 20, ...]  
FAILED test/zadanie_test.py::test_bubbleSort_worst_case - assert_s_case - assert_s_case
                                                                                                                                                                                                                                    base) student@PCL187:~/AIBD_Wolny/L13_Martyna_Wolny$ [
```

2. Faza Green



3. Faza Refactor

