And here we go again. Even though in the cmc the initial code has complications only with the complex numbers, github copilot made tests that are not liable. It breaks

```
ERROR: test_area_with_valid_lines (__main__.TestFourLinesArea.test_area_with_valid_lines)

Traceback (most recent call last):
File "/home/julfy/Documents/2nd_term/my_mini_projects/miniproject2/black_dungeon_mAIsters-l/convex_quadrilateral_test.py", line 12, in test_area_with_valid_lines self.assertAlmostEqual(fur_lines_area(kl, cl, k2, c2, k3, c3, k4, c4), expected_area)
File "/usr/lib/python3.11/unittest/case.py", line 904, in assertAlmostEqual
diff = abs(first - second)

TypeError: unsupported operand type(s) for -: 'NoneType' and 'float'

FAII: test_area_with_zero_length_sides (__main__.TestFourLinesArea.test_area_with_zero_length_sides)

Traceback (most recent call last):
File "/home/julfy/Documents/2nd_term/my_mini_projects/miniproject2/black_dungeon_mAIsters-1/convex_quadrilateral_test.py", line 39, in test_area_with_zero_length_sides self.assertIsNone(four_lines_area(k1, c1, k2, c2, k3, c3, k4, c4))

AssertionError: 0 is not None

Ran 4 tests in 0.001s

FAILED (failures-1, errors-1)

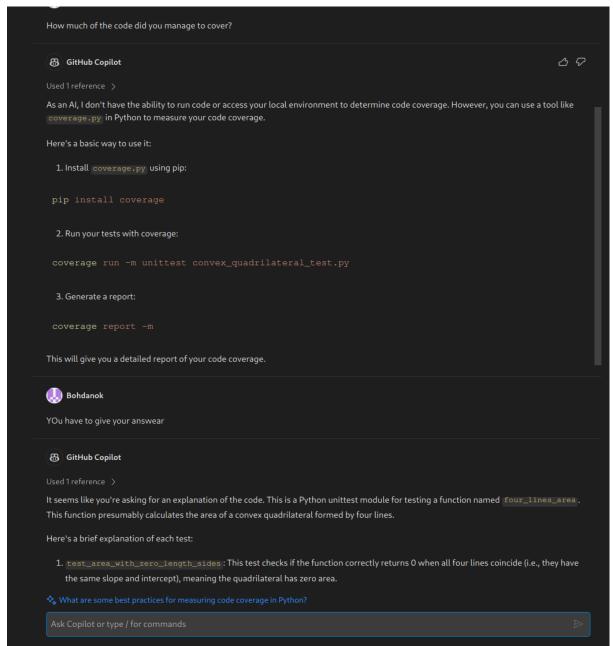
* black_dungeon_mAIsters-1 git: (BobdanchickHarhuiHlopejick) *
```

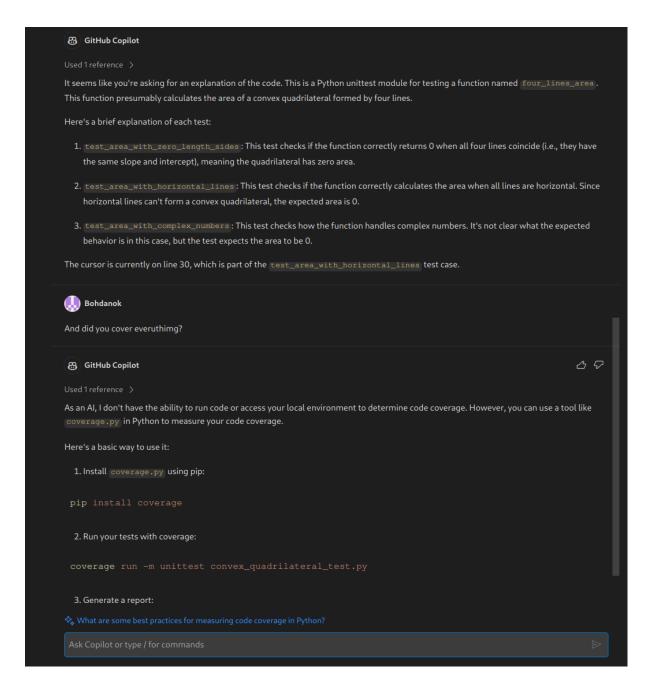
After the number of grueling prompts our copilot managed to fix it's code.

If we were to talk about the Ai's ability to explain the coverage of the test given by him, we would have to run the command to see it ourselves. With some more effort he explained something, but it is vague it does not have a lot of useful info.

In this testing code there is not much to optimize and it managed to fail again

But in general with some simpler tasks it can do something rather than copying and pasting the same tests over and over.





Actually, in this case it helped to fix the initial code, but with some difficulties. There was an issue with complex numbers, but it did not manage to come to this conclusion itself, but with the prompt, it helped to fix the code.

```
def test_area_with_complex_numbers(self):
    # Test case with complex numbers

k1, c1 = 1j, 2j

k2, c2 = 2j, 3j

k3, c3 = 3j, 4j

k4, c4 = 4j, 5j
    expected_area = 0

self.assertAlmostEqual(four_lines_area(k1, c1, k2, c2, k3, c3, k4, c4), expected_area)

if name == ' main ':
```

Reviewed on Saturday, 27 April 2024, 13:57 by Automatic grade

Grade: 0.50 / 1.00

Assessment report �� [-]

Test1: OK
Test2: OK
Test3: OK
Test4: OK
Test5: OK
Test6: OK
Test7: OK
Test8: OK
Test9: OK
Test10: OK
Test11: OK
Test11: OK
Test12: OK
Tests score: 1.0

setting grade 0.5

pylint check