Report for HW5 in SSW-567A

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Github link: <https://github.com/yclover/Triangle2>

1. Brief summary

In this assignment, I run a static code analyzer(pylint) and a code coverage tool(Coverage)on my code. With the help of pylint, I improved a lot of code format and finally rate my code as 10/10 score.

1. Pylint Screenshot

Testtriangle.py Before improvement

Text

Description automatically generated

Testtriangle.py after improvement

Text

Description automatically generated

Triangle.py before improvement

Graphical user interface, text

Description automatically generated

Triangle.py after improvement

Text

Description automatically generated

1. Coverage screenshot

Text

Description automatically generated

1. More details

When analyzing my code in TestTriangle.py, the initial score is zero, which really shocked me. I followed the pylint to modify my code step by step.

* Trailing whitespace: reformat the code automatically.
* Line too long: some methods have more than 2 parameters so I type one parameter on a single line.
* Name doesn’t conform to snake\_case naming style:

I’m used to use camel style to name the function in JAVA.

testIsTriangleA 🡪 test\_is\_triangle1

a 🡪side\_a

* Missing function or method docstring: Add docstring to every method like “””Testcase”””
* Unnecessary "elif" after "return", remove the leading "el" from "elif" (no-else-return):
* Too many return statements (8/6) (too-many-return-statements):

I didn’t fix these two because it’ll change the meaning of my code and influence the results of my testcase.

I already have a 100% coverage, so I didn’t add more testcase.