HW-05 Static Code Analysis

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Summary: This assignment was a good introduction to pylint and static code analyser. Through this we can easily read the quality of our code and better analyse it. Coverage helps in giving report analysed data.

The pylint score the code out of 10 which tells how good our code is whereas the coverage gives us a percentage rating for our code. In the starting due to syntax errors, whitespacing, not following camelCase word formatting, it gave me a percentage of 12%. But after making necessary changes to my code, I was able to score a total of 93% for my code.

Honor Pledge: I pledge that I have completed this assignment by my own without taking help from anyone else. I just referred to the resources the professor has linked in the assignment itself.

Repository:

**Before:**

\*\*\*\*\*\*\*\*\*\*\*\*\* Module triangle\_assignment

triangle\_assignment.py:17:43: C0303: Trailing whitespace (trailing-whitespace)

triangle\_assignment.py:25:0: C0303: Trailing whitespace (trailing-whitespace)

triangle\_assignment.py:28:29: C0303: Trailing whitespace (trailing-whitespace)

triangle\_assignment.py:31:59: C0303: Trailing whitespace (trailing-whitespace)

triangle\_assignment.py:36:29: C0303: Trailing whitespace (trailing-whitespace)

triangle\_assignment.py:37:47: C0303: Trailing whitespace (trailing-whitespace)

triangle\_assignment.py:38:38: C0303: Trailing whitespace (trailing-whitespace)

triangle\_assignment.py:40:0: C0301: Line too long (117/100) (line-too-long)

triangle\_assignment.py:15:0: C0116: Missing function or method docstring (missing-function-docstring)

triangle\_assignment.py:15:22: C0103: Argument name "a" doesn't conform to snake\_case naming style (invalid-name)

triangle\_assignment.py:15:24: C0103: Argument name "b" doesn't conform to snake\_case naming style (invalid-name)

triangle\_assignment.py:15:26: C0103: Argument name "c" doesn't conform to snake\_case naming style (invalid-name)

triangle\_assignment.py:23:4: W0702: No exception type(s) specified (bare-except)

triangle\_assignment.py:35:4: R1705: Unnecessary "elif" after "return", remove the leading "el" from "elif" (no-else-return)

triangle\_assignment.py:42:9: R1714: Consider merging these comparisons with 'in' by using 'b not in (a, c)'. Use a set instead if elements are hashable. (consider-using-in)

triangle\_assignment.py:15:0: R0911: Too many return statements (8/6) (too-many-return-statements)

------------------------------------------------------------------

Your code has been rated at 1.58/10 (previous run: 1.58/10, +0.00)

Running unit tests

.........

----------------------------------------------------------------------

Ran 9 tests in 0.002s

OK

PS C:\Users\atish\OneDrive\Documents\567 A\HW02a-Atishay\_Jain\_SSW-567a> python -m coverage report -m

Name Stmts Miss Cover

----------------------------------------

.\test\_triangle.py 25 22 12%

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TOTAL 25 22 12%

**After:**

Text

Description automatically generated

**HTML REPORT:**

A screenshot of a computer screen

Description automatically generated with medium confidence