

Materia: Pruebas de software y aseguramiento de la calidad

Maestro Titular: Dr. Gerardo Padilla Zárate

Maestro Asistente: Yetnalezi Quintas Ruiz

Matricula: A0173101

Alumno: Guillermo Alfonso Muñoz Hermosillo

E-mail: A01793101@tec.mx

4.2 Ejercicio de programación 1

Corrección de errores de Pylint

PROBLEMA 1

Primer intento:

```
(base) C:\Users\gmuni\OneDrive\Documentos\TEC_Maestria\Pruebas de Software\A01793102_A4.2>pylint computeStatistics.py
***** Module computeStatistics
computeStatistics.py:14:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:37:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:38:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:52:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:1:0: C0114: Missing module docstring (missing-module-docstring)
computeStatistics.py:1:0: C0103: Module name "computeStatistics" doesn't conform to snake_case naming style (invalid-name)
computeStatistics.py:3:0: C0116: Missing function or method docstring (missing-function-docstring)
computeStatistics.py:9:4: R1705: Unnecessary "else" after "return", remove the "else" and de-indent the code inside it (no-else-return)
computeStatistics.py:15:0: C0116: Missing function or method docstring (missing-function-docstring)
computeStatistics.py:17:4: W0621: Redefining name 'mode' from outer scope (line 15) (redefined-outer-name)
computeStatistics.py:27:0: C0116: Missing function or method docstring (missing-function-docstring)
computeStatistics.py:34:0: C0116: Missing function or method docstring (missing-function-docstring)
computeStatistics.py:34:0: C0103: Function name "sd" doesn't conform to snake_case naming style (invalid-name)
computeStatistics.py:39:5: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
computeStatistics.py:43:0: C0103: Constant name "sum_of_numbers" doesn't conform to UPPER_CASE naming style (invalid-name)

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Your code has been rated at 6.34/10

(base) C:\Users\gmuni\OneDrive\Documentos\TEC_Maestria\Pruebas de Software\A01793102_A4.2>
```

10/10:

```
(base) C:\Users\gmuni\OneDrive\Documentos\TEC_Maestria\Pruebas de Software\A01793102_A4.2>pylint compute_Statistics.py
-----
Your code has been rated at 10.00/10 (previous run: 9.76/10, +0.24)

(base) C:\Users\gmuni\OneDrive\Documentos\TEC_Maestria\Pruebas de Software\A01793102_A4.2>
```

Problema 2

Primer intento

```
(base) C:\Users\gmun\OneDrive\Documentos\TEC_Maestria\Pruebas de Software\A01793102_A4.2>pylint convert_numbers.py
***** Module convert_numbers
convert_numbers.py:3:62: C0303: Trailing whitespace (trailing-whitespace)
convert_numbers.py:48:0: C0325: Unnecessary parens after 'if' keyword (superfluous-parens)
convert_numbers.py:62:4: W0612: Unused variable 'test_case_key' (unused-variable)
convert_numbers.py:7:0: W0611: Unused import os (unused-import)

-----
Your code has been rated at 9.20/10
```

10/10

```
(base) C:\Users\gmun\OneDrive\Documentos\TEC_Maestria\Pruebas de Software\A01793102_A4.2>pylint convert_numbers.py
-----
Your code has been rated at 10.00/10 (previous run: 9.20/10, +0.80)
```

Problema 3

```
(base) C:\Users\gmun\OneDrive\Documentos\TEC_Maestria\Pruebas de Software\A01793102_A4.2>pylint word_count.py
***** Module word_count
word_count.py:2:51: C0303: Trailing whitespace (trailing-whitespace)
word_count.py:4:60: C0303: Trailing whitespace (trailing-whitespace)
word_count.py:20:0: C0301: Line too long (104/100) (line-too-long)
word_count.py:39:0: C0303: Trailing whitespace (trailing-whitespace)
word_count.py:44:0: W0311: Bad indentation. Found 16 spaces, expected 12 (bad-indentation)
word_count.py:22:8: R1732: Consider using 'with' for resource-allocating operations (consider-using-with)
word_count.py:22:8: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
word_count.py:33:31: C0201: Consider iterating the dictionary directly instead of calling .keys() (consider-iterating-dictionary)
word_count.py:11:0: W0611: Unused import copy (unused-import)

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Your code has been rated at 7.80/10

(base) C:\Users\gmun\OneDrive\Documentos\TEC_Maestria\Pruebas de Software\A01793102_A4.2>
```

10/10

```
(base) C:\Users\gmun\OneDrive\Documentos\TEC_Maestria\Pruebas de Software\A01793102_A4.2>pylint word_count.py
***** Module word_count
word_count.py:33:26: C0201: Consider iterating the dictionary directly instead of calling .keys() (consider-iterating-dictionary)

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Your code has been rated at 9.76/10 (previous run: 7.80/10, +1.95)

(base) C:\Users\gmun\OneDrive\Documentos\TEC_Maestria\Pruebas de Software\A01793102_A4.2>pylint word_count.py
-----
Your code has been rated at 10.00/10 (previous run: 9.76/10, +0.24)
```