



4-2-2024

4.2 Ejercicio de programación 1

Pruebas de software y aseguramiento de la calidad

Enlace para el repositorio de Git requerido:

https://github.com/A01793670/A01793670_A4.2.git

1. **Compute statics.**

- a. Se ejecuto el código en Jupyter Notebook, mostrando los siguientes resultados

```
File: TC1.txt
Mean: 242.32
Median: 239.5
Mode: [393.0, 170.0]
Standard Deviation: 145.44002062361477
Variance: 21152.79959899749
Time Elapsed: 0.0 seconds

File: TC2.txt
Mean: 250.7840161861406
Median: 247.0
Mode: [230.0]
Standard Deviation: 144.20779467138226
Variance: 20795.888043983545
Time Elapsed: 0.004002094268798828 seconds

File: TC3.txt
Mean: 249.77621989860583
Median: 249.0
Mode: [94.0]
Standard Deviation: 145.3236057694065
Variance: 21118.950393821877
Time Elapsed: 0.014995813369750977 seconds

File: TC4.txt
Mean: 149.00267347908746
Median: 147.75
Mode: [123.75]
Standard Deviation: 130.41958525663028
Variance: 17009.268218511454
Time Elapsed: 0.015010356903076172 seconds
```

```

Error reading line: ABA, Error: could not convert string to float: 'ABA'
Error reading line: 23,45, Error: could not convert string to float: '23,45'
Error reading line: 11;54, Error: could not convert string to float: '11;54'
Error reading line: 11, Error: could not convert string to float: '11'
File: TC5.txt
Mean: 241.49511400651465
Median: 241.0
Mode: [393.0, 19.0, 368.0, 290.0, 56.0, 11.0, 76.0, 215.0, 64.0, 375.0, 466.0, 277.0, 211.0, 46.0, 278.0, 170.0, 166.0, 96.0, 268.0]
Standard Deviation: 145.70234164786086
Variance: 21229.172361669967
Time Elapsed: 0.001990079879760742 seconds

File: TC6.txt
Mean: 1.8790659927977443e+20
Median: 1.88008049965543e+20
Mode: []
Standard Deviation: 1.0739995165766761e+20
Variance: 1.153474961606934e+40
Time Elapsed: 0.007994890213012695 seconds

Error reading line: ABBA, Error: could not convert string to float: 'ABBA'
Error reading line: ERROR, Error: could not convert string to float: 'ERROR'
File: TC7.txt
Mean: 2.4746739549971625e+20
Median: 2.4664097307429e+20
Mode: []
Standard Deviation: 1.4461131060123329e+20
Variance: 2.0912431153806367e+40
Time Elapsed: 0.028996706008911133 seconds

```

- b. Se ejecuto Pylint, mostrando los siguientes errores

```

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P1>pylint computeStatistics.ipynb
***** Module computeStatistics
computeStatistics.ipynb:56:0: C0301: Line too long (143/100) (line-too-long)
computeStatistics.ipynb:1:0: C0114: Missing module docstring (missing-module-docstring)
computeStatistics.ipynb:1:0: C0103: Module name "computeStatistics" doesn't conform to snake_case naming style (invalid-name)
computeStatistics.ipynb:1:0: W0104: Statement seems to have no effect (pointless-statement)
computeStatistics.ipynb:140:22: E0602: Undefined variable 'null' (undefined-variable)

-----
Your code has been rated at 0.00/10

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P1>

```

- c. Después de realizar algunas correcciones, se obtuvo un resultado de 9.47 sobre 10, lo cual se podría decir que es relativamente alto.

```

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software>pylint compute_statistics.py
***** Module compute_statistics
compute_statistics.py:31:4: R1705: Unnecessary "else" after "return", remove the "else" and de-indent the code inside it (no-else-return)
compute_statistics.py:72:4: W0621: Redefining name 'results' from outer scope (line 90) (redefined-outer-name)
compute_statistics.py:87:4: C0103: Constant name "all_results" doesn't conform to UPPER_CASE naming style (invalid-name)

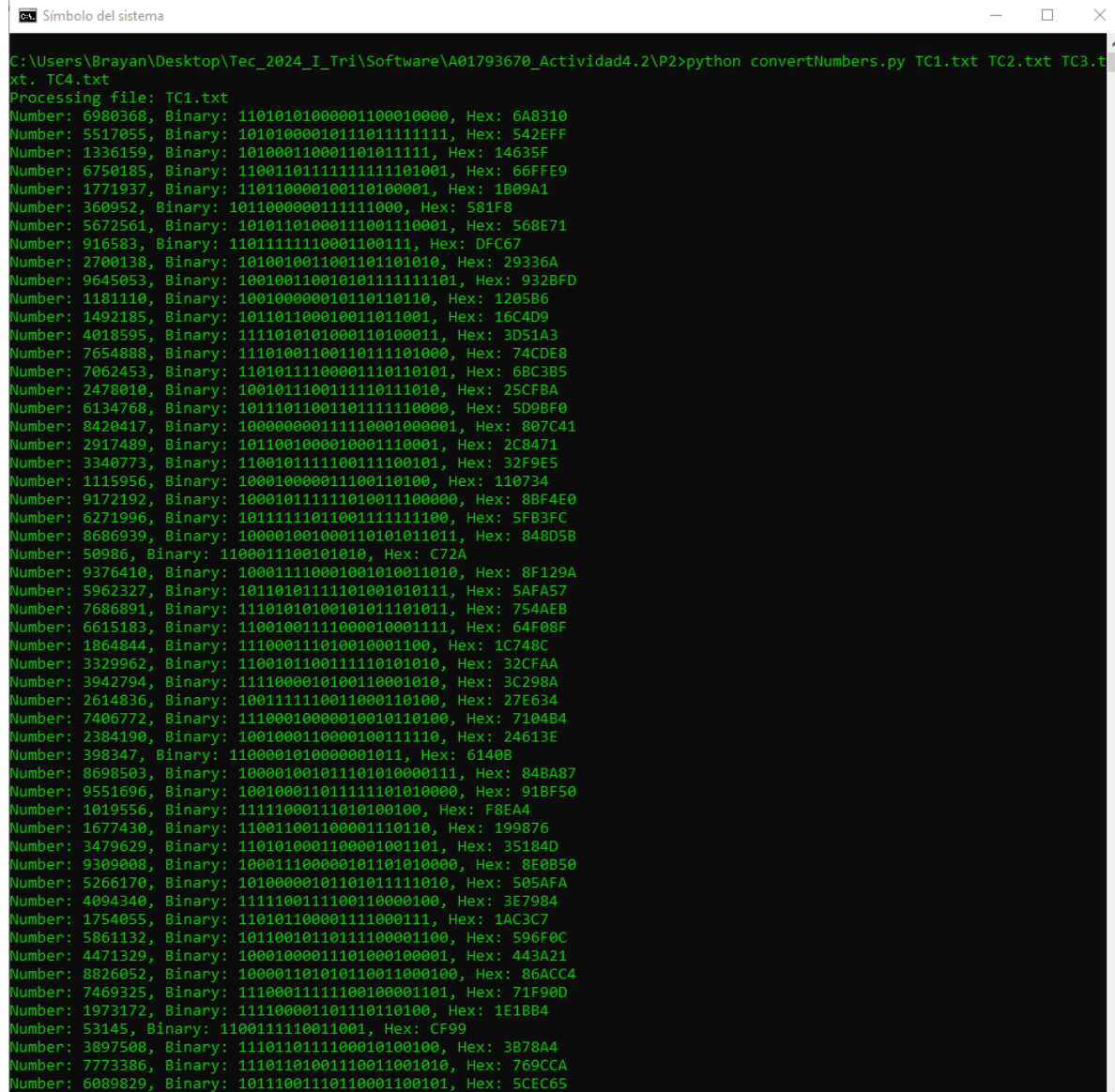
-----
Your code has been rated at 9.47/10 (previous run: 9.47/10, +0.00)

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software>

```

2. Converter.

- a. Se ejecuto el código desde la línea de comandos, mostrando los siguientes resultados:



```
Símbolo del sistema
C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P2>python convertNumbers.py TC1.txt TC2.txt TC3.txt TC4.txt
Processing file: TC1.txt
Number: 6980368, Binary: 11010101000001100010000, Hex: 6A8310
Number: 5517055, Binary: 10101000010111011111111, Hex: 542EFF
Number: 1336159, Binary: 101000110001101011111, Hex: 14635F
Number: 6750185, Binary: 1100110111111111101001, Hex: 66FFE9
Number: 1771937, Binary: 110110000100110100001, Hex: 1B09A1
Number: 360952, Binary: 1011000000111111000, Hex: 581F8
Number: 5672561, Binary: 10101101000111001110001, Hex: 568E71
Number: 916583, Binary: 1101111110001100111, Hex: DFC67
Number: 2700138, Binary: 1010010011001101101010, Hex: 29336A
Number: 9645053, Binary: 100100110010101111111101, Hex: 932BFD
Number: 1181110, Binary: 100100000010110110110, Hex: 1205B6
Number: 1492185, Binary: 101101100010011011001, Hex: 16C4D9
Number: 4018595, Binary: 1111010101000110100011, Hex: 3D51A3
Number: 7654888, Binary: 11101001100110111101000, Hex: 74CDE8
Number: 7062453, Binary: 11010111100001110110101, Hex: 6BC385
Number: 2478010, Binary: 1001011100111110111010, Hex: 25CFBA
Number: 6134768, Binary: 10111011001101111110000, Hex: 5D9BF0
Number: 8420417, Binary: 100000000111110001000001, Hex: 807C41
Number: 2917489, Binary: 1011001000010001110001, Hex: 2C8471
Number: 3340773, Binary: 1100101111100111100101, Hex: 32F9E5
Number: 1115956, Binary: 100010000011100110100, Hex: 110734
Number: 9172192, Binary: 10001011111101001110000, Hex: 8BF4E0
Number: 6271996, Binary: 10111111011001111111100, Hex: 5FB3FC
Number: 8686939, Binary: 1000010010001101011011, Hex: 848D5B
Number: 50986, Binary: 1100011100101010, Hex: C72A
Number: 9376410, Binary: 1000111100010010011010, Hex: 8F129A
Number: 5962327, Binary: 1011010111110100101011, Hex: 5AFA57
Number: 7686891, Binary: 11101010100101011101011, Hex: 754AEB
Number: 6615183, Binary: 11001001111000010001111, Hex: 64F08F
Number: 1864844, Binary: 111000111010010001100, Hex: 1C748C
Number: 3329962, Binary: 1100101100111110101010, Hex: 32CFAA
Number: 3942794, Binary: 1111000010100110001010, Hex: 3C298A
Number: 2614836, Binary: 1001111110011000110100, Hex: 27E634
Number: 7406772, Binary: 11100010000010010110100, Hex: 7104B4
Number: 2384190, Binary: 1001000110000100111110, Hex: 24613E
Number: 398347, Binary: 1100001010000001011, Hex: 6140B
Number: 8698503, Binary: 100001001011101010000111, Hex: 84BA87
Number: 9551696, Binary: 100100011011111101010000, Hex: 91BF50
Number: 1019556, Binary: 11111000111010100100, Hex: F8EA4
Number: 1677430, Binary: 110011001100001110110, Hex: 199876
Number: 3479629, Binary: 1101010001100001001101, Hex: 35184D
Number: 9309008, Binary: 10001110000010101010000, Hex: 8E0B50
Number: 5266170, Binary: 10100000101101011111010, Hex: 505AFA
Number: 4094340, Binary: 1111100111100110000100, Hex: 3E7984
Number: 1754055, Binary: 110101100001111000111, Hex: 1AC3C7
Number: 5861132, Binary: 10110010110111100001100, Hex: 596F0C
Number: 4471329, Binary: 10001000011101000100001, Hex: 443A21
Number: 8826052, Binary: 100001101010110011000100, Hex: 86ACC4
Number: 7469325, Binary: 1110001111100100001101, Hex: 71F90D
Number: 1973172, Binary: 11110000110111010100, Hex: 1E1BB4
Number: 53145, Binary: 1100111110011001, Hex: CF99
Number: 3897508, Binary: 1110110111100010100100, Hex: 3B78A4
Number: 7773386, Binary: 11101101001110011001010, Hex: 769CCA
Number: 6089829, Binary: 10111001110110001100101, Hex: 5CEC65
```

ca Seleccíonar Símbolo del sistema

```
Number: 4223424, Binary: 10000000111000111000000, Hex: 4071C0
Number: 9761752, Binary: 100101001111001111011000, Hex: 94F3D8
Number: 7930799, Binary: 11110010000001110101111, Hex: 7903AF
Number: 3597495, Binary: 1101101110010010110111, Hex: 36E4B7
Number: 9302948, Binary: 100011011111001110100100, Hex: 8DF3A4
Number: 2288712, Binary: 1000101110110001001000, Hex: 22EC48
Number: 197187, Binary: 110000001001000011, Hex: 30243
Number: 5266939, Binary: 10100000101110111111011, Hex: 505DFB
Number: 221545, Binary: 110110000101101001, Hex: 36169
Number: 7957027, Binary: 11110010110101000100011, Hex: 796A23
Number: 3195361, Binary: 11000011000001111100001, Hex: 30C1E1
Number: 7106269, Binary: 11011000110111011011101, Hex: 6C6EDD
Number: 9633312, Binary: 100100101111111000100000, Hex: 92FE20
Number: 9713704, Binary: 100101000011100000101000, Hex: 943828
Number: 91925, Binary: 10110011100010101, Hex: 16715
Number: 4418686, Binary: 10000110110110001111110, Hex: 436C7E
Number: 9682250, Binary: 100100111011110101001010, Hex: 93BD4A
Number: 2583824, Binary: 1001110110110100010000, Hex: 276D10
Number: 4979126, Binary: 10010111111100110110110, Hex: 4BF9B6
Number: 6280954, Binary: 10111111101011011111010, Hex: 5FD6FA
Number: 1228610, Binary: 1001010111111101000010, Hex: 12BF42
Number: 705518, Binary: 10101100001111101110, Hex: AC3EE
Number: 1017653, Binary: 11111000011100110101, Hex: F8735
Number: 500098, Binary: 1111010000110000010, Hex: 7A182
Number: 7210727, Binary: 11011100000011011100111, Hex: 6E06E7
Number: 4250898, Binary: 10000001101110100010010, Hex: 40DD12
Number: 4055028, Binary: 1111011101111111110100, Hex: 3DDFF4
Number: 2754240, Binary: 1010100000011011000000, Hex: 2A06C0
Number: 452999, Binary: 1101110100110000111, Hex: 6E987
Number: 6831458, Binary: 11010000011110101100010, Hex: 683D62
Number: 207636, Binary: 110010101100010100, Hex: 32B14
Number: 7280635, Binary: 11011110001011111111011, Hex: 6F17FB
Number: 3308937, Binary: 1100100111110110001001, Hex: 327D89
Number: 4303570, Binary: 100000110101010111010010, Hex: 41AAD2
Number: 8375055, Binary: 11111111100101100001111, Hex: 7FCB0F
Number: 1457960, Binary: 101100011111100101000, Hex: 163F28
Number: 5197625, Binary: 10011110100111100111001, Hex: 4F4F39
Number: 3144371, Binary: 1011111111101010110011, Hex: 2FFAB3
Number: 6674138, Binary: 11001011101011011011010, Hex: 65D6DA
Number: 2692106, Binary: 1010010001010000001010, Hex: 29140A
Number: 2276769, Binary: 1000101011110110100001, Hex: 22BDA1
Number: 1940971, Binary: 111011001110111101011, Hex: 1D9DEB
Number: 3288264, Binary: 1100100010110011001000, Hex: 322CC8
Number: 4819803, Binary: 10010011000101101011011, Hex: 498B5B
Number: 9431005, Binary: 100011111110011111011101, Hex: 8FE7DD
Number: 3992019, Binary: 1111001110100111010011, Hex: 3CE9D3
Number: 8184782, Binary: 11111001110001111001110, Hex: 7CE3CE
Number: 2847975, Binary: 1010110111010011100111, Hex: 2B74E7
Number: 7891025, Binary: 11110000110100001010001, Hex: 786851
Number: 900082, Binary: 11011011101111110010, Hex: DBBF2
Number: 1831532, Binary: 110111111001001101100, Hex: 1BF26C
Number: 8428253, Binary: 100000001001101011011101, Hex: 809ADD
Number: 2905752, Binary: 1011000101011010011000, Hex: 2C5698
Number: 9763121, Binary: 100101001111100100110001, Hex: 94F931
Number: 257890, Binary: 111110111101100010, Hex: 3EF62
Number: 4699761, Binary: 10001111011011001110001, Hex: 47B671
Number: 359541, Binary: 1010111110001110101, Hex: 57C75
Number: 3446150, Binary: 1101001001010110000110, Hex: 349586
```

Seleccionar Símbolo del sistema

```
Number: 4246818, Binary: 10000001100110100100010, Hex: 40CD22
Number: 1848840, Binary: 111000011011000001000, Hex: 1C3608
Number: 938480, Binary: 11100101000111110000, Hex: E51F0
Number: 227465, Binary: 110111100010001001, Hex: 37889
Number: 3923488, Binary: 1110111101111000100000, Hex: 3BDE20
Number: 8915697, Binary: 100010000000101011110001, Hex: 880AF1
Number: 4309094, Binary: 10000011100000001100110, Hex: 41C066
Number: 3891251, Binary: 1110110110000000110011, Hex: 3B6033
Number: 8627956, Binary: 100000111010011011110100, Hex: 83A6F4
Number: 5884613, Binary: 10110011100101011000101, Hex: 59CAC5
Number: 1659318, Binary: 110010101000110110110, Hex: 1951B6
Number: 1834855, Binary: 110111111111101100111, Hex: 1BFF67
Number: 3386751, Binary: 1100111010110101111111, Hex: 33AD7F
Number: 3000166, Binary: 1011011100011101100110, Hex: 2DC766
Number: 9135626, Binary: 100010110110011000001010, Hex: 8B660A
Number: 4869260, Binary: 10010100100110010001100, Hex: 4A4C8C
Number: 76550, Binary: 10010101100000110, Hex: 12B06
Number: 432271, Binary: 1101001100010001111, Hex: 6988F
Number: 251028, Binary: 111101010010010100, Hex: 3D494
Number: 7016218, Binary: 11010110000111100011010, Hex: 6B0F1A
Number: 6896099, Binary: 11010010011100111100011, Hex: 6939E3
Number: 8386350, Binary: 1111111111011100101110, Hex: 7FF72E
Number: 8637147, Binary: 100000111100101011011011, Hex: 83CADB
Number: 936705, Binary: 11100100101100000001, Hex: E4B01
Number: 6602175, Binary: 11001001011110110111111, Hex: 64BDBF
Number: 1429181, Binary: 101011100111010111101, Hex: 15CEBD
Number: 8395138, Binary: 100000000001100110000010, Hex: 801982
Number: 6132809, Binary: 10111011001010001001001, Hex: 5D9449
Number: 5936917, Binary: 10110101001011100010101, Hex: 5A9715
Number: 2878578, Binary: 1010111110110001110010, Hex: 2BEC72
Number: 158885, Binary: 100110110010100101, Hex: 26CA5
Number: 2441957, Binary: 1001010100001011100101, Hex: 2542E5
Number: 5914794, Binary: 10110100100000010101010, Hex: 5A40AA
Number: 3999272, Binary: 1111010000011000101000, Hex: 3D0628
Number: 3142897, Binary: 1011111111010011110001, Hex: 2FF4F1
Number: 8151159, Binary: 11111000110000001110111, Hex: 7C6077
Number: 5147564, Binary: 10011101000101110101100, Hex: 4E8BAC
Number: 4595374, Binary: 10001100001111010101110, Hex: 461EAE
Number: 4234951, Binary: 10000001001111011000111, Hex: 409EC7
Number: 7880605, Binary: 11110000011111110011101, Hex: 783F9D
Number: 7009921, Binary: 11010101111011010000001, Hex: 6AF681
Number: 695580, Binary: 10101001110100011100, Hex: A9D1C
Number: 7370443, Binary: 11100000111011011001011, Hex: 7076CB
Number: 7921729, Binary: 11110001110000001000001, Hex: 78E041
Number: 8419625, Binary: 100000000111100100101001, Hex: 807929
Number: 7024080, Binary: 11010110010110111010000, Hex: 6B2DD0
Number: 3905988, Binary: 1110111001100111000100, Hex: 3B99C4
Number: 1767599, Binary: 110101111100010101111, Hex: 1AF8AF
Number: 935136, Binary: 11100100010011100000, Hex: E44E0
Number: 635788, Binary: 10011011001110001100, Hex: 9B38C
Number: 8807719, Binary: 100001100110010100100111, Hex: 866527
Number: 317375, Binary: 1001101011110111111, Hex: 4D7BF
Number: 9975410, Binary: 100110000011011001110010, Hex: 983672
Number: 2727968, Binary: 1010011010000000100000, Hex: 29A020
Number: 7444399, Binary: 11100011001011110101111, Hex: 7197AF
Number: 4065675, Binary: 1111100000100110001011, Hex: 3E098B
Number: 9925720, Binary: 100101110111010001011000, Hex: 977458
Number: 2293633, Binary: 1000101111111110000001, Hex: 22FF81
```

Cal Seleccíon Símboło del sistema

```
Number: 33, Binary: 100001, Hex: 21
Number: -10, Binary: , Hex:
Number: 47, Binary: 101111, Hex: 2F
Number: 47, Binary: 101111, Hex: 2F
Number: -13, Binary: , Hex:
Number: -32, Binary: , Hex:
Number: 1, Binary: 1, Hex: 1
Number: 1, Binary: 1, Hex: 1
Number: -25, Binary: , Hex:
Number: -33, Binary: , Hex:
Number: 16, Binary: 10000, Hex: 10
Number: 17, Binary: 10001, Hex: 11
Number: 4, Binary: 100, Hex: 4
Processing file: TC4.txt
Number: -39, Binary: , Hex:
Number: -36, Binary: , Hex:
Number: 8, Binary: 1000, Hex: 8
Number: 34, Binary: 100010, Hex: 22
Number: 17, Binary: 10001, Hex: 11
Number: 49, Binary: 110001, Hex: 31
Number: 5, Binary: 101, Hex: 5
Invalid data: ABC is not a valid integer.
Number: 0, Binary: 0, Hex: 0
Number: 33, Binary: 100001, Hex: 21
Number: 12, Binary: 1100, Hex: C
Number: -6, Binary: , Hex:
Number: 27, Binary: 11011, Hex: 1B
Number: -4, Binary: , Hex:
Number: -38, Binary: , Hex:
Number: 26, Binary: 11010, Hex: 1A
Number: 49, Binary: 110001, Hex: 31
Number: 29, Binary: 11101, Hex: 1D
Number: 42, Binary: 101010, Hex: 2A
Number: -16, Binary: , Hex:
Invalid data: ERR is not a valid integer.
Number: 34, Binary: 100010, Hex: 22
Number: 20, Binary: 10100, Hex: 14
Number: 0, Binary: 0, Hex: 0
Number: 25, Binary: 11001, Hex: 19
Number: 45, Binary: 101101, Hex: 2D
Number: 3, Binary: 11, Hex: 3
Number: -46, Binary: , Hex:
Number: -46, Binary: , Hex:
Number: 29, Binary: 11101, Hex: 1D
Number: 33, Binary: 100001, Hex: 21
Number: 29, Binary: 11101, Hex: 1D
Number: 26, Binary: 11010, Hex: 1A
Number: -5, Binary: , Hex:
Number: -36, Binary: , Hex:
Number: 12, Binary: 1100, Hex: C
Number: 45, Binary: 101101, Hex: 2D
Number: -50, Binary: , Hex:
Number: 0, Binary: 0, Hex: 0
Number: -6, Binary: , Hex:
Invalid data: VAL is not a valid integer.
Execution time: 0.5244710445404053 seconds
```

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P2>

- b. Se ejecuto Pylint, mostrando los siguientes errores:

```
Símbolo del sistema

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P2>pylint convertNumbers.py
***** Module convertNumbers
convertNumbers.py:58:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:64:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:1:0: C0114: Missing module docstring (missing-module-docstring)
convertNumbers.py:1:0: C0103: Module name "convertNumbers" doesn't conform to snake_case naming style (invalid-name)
convertNumbers.py:5:0: C0116: Missing function or method docstring (missing-function-docstring)
convertNumbers.py:16:0: C0116: Missing function or method docstring (missing-function-docstring)
convertNumbers.py:28:0: C0116: Missing function or method docstring (missing-function-docstring)
convertNumbers.py:29:9: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
convertNumbers.py:34:0: C0116: Missing function or method docstring (missing-function-docstring)
convertNumbers.py:35:9: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
convertNumbers.py:40:0: C0116: Missing function or method docstring (missing-function-docstring)
convertNumbers.py:55:0: C0116: Missing function or method docstring (missing-function-docstring)

-----
Your code has been rated at 7.97/10

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P2>
```

- c. Después de realizar algunas correcciones, se obtuvo un resultado de 9.49 sobre 10, lo cual se podría decir que es relativamente alto.

```
Símbolo del sistema

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P2>pylint convert_numbers.py
***** Module convert_numbers
convert_numbers.py:21:0: C0301: Line too long (101/100) (line-too-long)
convert_numbers.py:63:0: C0303: Trailing whitespace (trailing-whitespace)
convert_numbers.py:69:0: C0303: Trailing whitespace (trailing-whitespace)

-----
Your code has been rated at 9.49/10 (previous run: 8.14/10, +1.36)

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P2>
```

3. Count Words.

- a. Se ejecuto el código desde la línea de comandos, mostrando los siguientes resultados:

```
Administrador: Símbolo del sistema

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P3>python word_count.py TC1.txt TC2.txt TC3.txt TC4.txt TC5.txt
Word count for all files has been completed.
Time elapsed for all files: 0.01 seconds

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P3>
```

Para este ejercicio modificamos ciertas palabras en el archivo TC1.txt para validar si se reconocían como errores, y el código funciona efectivamente mostrando el siguiente resultado.


```
Administrador: Símbolo del sistema

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P3>python word_count.py TC1.txt TC2.txt TC3.txt TC4.txt TC5.txt
Word count for all files has been completed.
Time elapsed for all files: 0.01 seconds

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P3>python word_count.py TC1.txt TC2.txt TC3.txt TC4.txt TC5.txt
Found invalid data in TC1.txt: 123456
Found invalid data in TC1.txt: B1g
Found invalid data in TC1.txt: B0m01dgft
Word count for all files has been completed.
Time elapsed for all files: 0.02 seconds

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P3>
```

- b. Se ejecuto Pylint, mostrando los siguientes errores:

```
Administrador: Símbolo del sistema

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P3>pylint word_count.py
***** Module word_count
word_count.py:20:0: C0303: Trailing whitespace (trailing-whitespace)
word_count.py:1:0: C0114: Missing module docstring (missing-module-docstring)
word_count.py:4:0: C0116: Missing function or method docstring (missing-function-docstring)
word_count.py:18:11: W0718: Catching too general exception Exception (broad-exception-caught)
word_count.py:7:13: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
word_count.py:23:0: C0116: Missing function or method docstring (missing-function-docstring)
word_count.py:30:9: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
word_count.py:39:10: W1309: Using an f-string that does not have any interpolated variables (f-string-without-interpolation)
word_count.py:41:9: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
word_count.py:31:12: W0612: Unused variable 'file_number' (unused-variable)

-----
Your code has been rated at 7.30/10

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P3>
```

- c. Después de realizar algunas correcciones, se obtuvo un resultado de 9.46 sobre 10, lo cual se podría decir que es relativamente alto.

```
Administrador: Símbolo del sistema

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P3>pylint word_count.py
***** Module word_count
word_count.py:31:0: C0303: Trailing whitespace (trailing-whitespace)
word_count.py:53:10: W1309: Using an f-string that does not have any interpolated variables (f-string-without-interpolation)

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Your code has been rated at 9.46/10 (previous run: 7.30/10, +2.16)

C:\Users\Brayan\Desktop\Tec_2024_I_Tri\Software\A01793670_Actividad4.2\P3>
```