



Instituto Tecnológico y de Estudios Superiores de Monterrey
Maestría en Inteligencia Artificial Aplicada (MNA)

4.2 Ejercicio de Programación 1

Pruebas de Software y Aseguramiento de la Calidad

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1. Compute statistics

pylint

```
(pruebas_software) oscar@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ pylint computeStatistics.py
*****
Module computeStatistics
computeStatistics.py:21:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:29:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:37:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:40:37: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:41:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:46:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:47:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:52:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:59:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:62:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:67:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:69:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:75:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:79:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:94:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:103:0: C0303: Trailing whitespace (trailing-whitespace)
computeStatistics.py:145:0: C0304: Final newline missing (missing-final-newline)
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:4:17: W0621: Redefining name 'archivo_path' from outer scope (line 95) (redefined-outer-name)
computeStatistics.py:6:4: W0621: Redefining name 'datos' from outer scope (line 98) (redefined-outer-name)
computeStatistics.py:25:19: W0621: Redefining name 'datos' from outer scope (line 98) (redefined-outer-name)
computeStatistics.py:33:21: W0621: Redefining name 'datos' from outer scope (line 98) (redefined-outer-name)
computeStatistics.py:40:4: W0621: Redefining name 'mediana' from outer scope (line 108) (redefined-outer-name)
computeStatistics.py:42:4: R1705: Unnecessary "else" after "return", remove the "else" and de-indent the code inside it (no-else-return)
computeStatistics.py:48:18: W0621: Redefining name 'datos' from outer scope (line 98) (redefined-outer-name)
computeStatistics.py:61:4: W0621: Redefining name 'moda' from outer scope (line 109) (redefined-outer-name)
computeStatistics.py:71:22: W0621: Redefining name 'datos' from outer scope (line 98) (redefined-outer-name)
computeStatistics.py:71:29: W0621: Redefining name 'media' from outer scope (line 107) (redefined-outer-name)
computeStatistics.py:83:33: W0621: Redefining name 'varianza' from outer scope (line 110) (redefined-outer-name)
computeStatistics.py:104:0: C0103: Constant name "conteo" doesn't conform to UPPER_CASE naming style (invalid-name)
computeStatistics.py:137:0: C0103: Constant name "salida_datos" doesn't conform to UPPER_CASE naming style (invalid-name)

Your code has been rated at 6.60/10
```

```
(pruebas_software) oscar@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ pylint computeStatistics.py
-----
Your code has been rated at 10.00/10 (previous run: 8.72/10, +1.28)
```

Ejecuciones

```
(pruebas_software) oscar@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python computeStatistics.py P1/TC1.txt
Error en linea 400: '405s'

Media: 241.91228
Mediana: 239.00000
Moda: 393.00000
Varianza: 21139.28626
Desviación Estandar: 145.39356
Tiempo Transcurrido: 0.00312 segundos.

Resultados guardados en StatisticsResults.txt
```

```
≡ StatisticsResults.txt
1   Cantidad de Numeros: 399
2   Media: 241.91228
3   Mediana: 239.00000
4   Moda: 393.00000
5   Varianza: 21139.28626
6   Desviación Estandar: 145.39356
7   Tiempo Transcurrido: 0.00312 segundos.
```

```
(pruebas_software) oscar@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python computeStatistics.py P1/TC2.txt
1 Media: 250.78402
2 Mediana: 247.00000
3 Moda: 230.00000
4 Varianza: 20795.88804
5 Desviación Estandar: 144.20779
6 Tiempo Transcurrido: 0.02300 segundos.'
7 Resultados guardados en StatisticsResults.txt
```

```
≡ StatisticsResults.txt
1 Cantidad de Numeros: 1977
2 Media: 250.78402
3 Mediana: 247.00000
4 Moda: 230.00000
5 Varianza: 20795.88804
6 Desviación Estandar: 144.20779
7 Tiempo Transcurrido: 0.02300 segundos.
```

```
(pruebas_software) oscar@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python computeStatistics.py P1/TC3.txt
1 Media: 249.77622
2 Mediana: 249.00000
3 Moda: 94.00000
4 Varianza: 21118.95039
5 Desviación Estandar: 145.32361
6 Tiempo Transcurrido: 0.01067 segundos.'
7 Resultados guardados en StatisticsResults.txt
```

```
≡ StatisticsResults.txt
1 Cantidad de Numeros: 12624
2 Media: 249.77622
3 Mediana: 249.00000
4 Moda: 94.00000
5 Varianza: 21118.95039
6 Desviación Estandar: 145.32361
7 Tiempo Transcurrido: 0.01067 segundos.
```

```
(pruebas_software) oscar@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python computeStatistics.py P1/TC4.txt
1 Media: 149.00267
2 Mediana: 147.75000
3 Moda: 123.75000
4 Varianza: 17009.26822
5 Desviación Estandar: 130.41959
6 Tiempo Transcurrido: 0.01266 segundos.'
7 Resultados guardados en StatisticsResults.txt
```

```
StatisticsResults.txt
1 Cantidad de Numeros: 12624
2 Media: 149.00267
3 Mediana: 147.75000
4 Moda: 123.75000
5 Varianza: 17009.26822
6 Desviación Estandar: 130.41959
7 Tiempo Transcurrido: 0.01266 segundos.
```

```
(pruebas_software) oscar@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python computeStatistics.py P1/TC5.txt
Error en linea 5: 'ABA'
Error en linea 155: '23,45'
Error en linea 232: '11:54'
Error en linea 239: 'll'

Media: 241.49511
Mediana: 241.00000
Moda: 393.00000
Varianza: 21229.17236
Desviación Estandar: 145.70234
Tiempo Transcurrido: 0.00280 segundos.

Resultados guardados en StatisticsResults.txt
```

```
StatisticsResults.txt
1 Cantidad de Numeros: 307
2 Media: 241.49511
3 Mediana: 241.00000
4 Moda: 393.00000
5 Varianza: 21229.17236
6 Desviación Estandar: 145.70234
7 Tiempo Transcurrido: 0.00280 segundos.
```

```
(pruebas_software) oscar@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python computeStatistics.py P1/TC6.txt
Media: 187906599279774433280.00000
Mediana: 188008049965542998016.00000
Moda: 127620004531948994560.00000
Varianza: 11534749616069328568355401834306027388928.00000
Desviación Estandar: 107399951657667559424.00000
Tiempo Transcurrido: 0.00674 segundos.

Resultados guardados en StatisticsResults.txt
```

```
StatisticsResults.txt
1 Cantidad de Numeros: 3000
2 Media: 187906599279774433280.00000
3 Mediana: 188008049965542998016.00000
4 Moda: 127620004531948994560.00000
5 Varianza: 11534749616069328568355401834306027388928.00000
6 Desviación Estandar: 107399951657667559424.00000
7 Tiempo Transcurrido: 0.00674 segundos.
```

```
(pruebas_software) oscarg@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python computeStatistics.py P1/TC7.txt
Error en linea 183: 'ABBA'
Error en linea 229: 'ERROR'

Media: 247467395499716247552.00000
Mediana: 246640973074290016256.00000
Moda: 157638329490099011584.00000
Varianza: 20912431153806282421791217110814294016000.00000
Desviación Estandar: 144611310601232990208.00000
Tiempo Transcurrido: 0.02086 segundos.

Resultados guardados en StatisticsResults.txt
```

StatisticsResults.txt

```
1 Cantidad de Numeros: 12767
2 Media: 247467395499716247552.00000
3 Mediana: 246640973074290016256.00000
4 Moda: 157638329490099011584.00000
5 Varianza: 20912431153806282421791217110814294016000.00000
6 Desviación Estandar: 144611310601232990208.00000
7 Tiempo Transcurrido: 0.02086 segundos.
```

2. Converter

pylint

```
(pruebas_software) oscarg@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ pylint convertNumbers.py
*****
Module convertNumbers
convertNumbers.py:17:0: C0301: Line too long (133/100) (line-too-long)
convertNumbers.py:17:0: C0325: Unnecessary parens after '=' keyword (superfluous-parens)
convertNumbers.py:25:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:31:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:34:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:39:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:45:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:48:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:50:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:51:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:54:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:57:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:62:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:65:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:71:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:74:0: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:84:0: 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:4:12: W0621: Redefining name 'archivo_path' from outer scope (line 85) (redefined-outer-name)
convertNumbers.py:6:4: W0621: Redefining name 'resultados' from outer scope (line 87) (redefined-outer-name)
convertNumbers.py:8:58: W0621: Redefining name 'archivo' from outer scope (line 4) (redefined-outer-name)
convertNumbers.py:9:30: W0621: Redefining name 'linea' from outer scope (line 100) (redefined-outer-name)

-----
Your code has been rated at 6.85/10
```

```
(pruebas_software) oscarg@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ pylint convertNumbers.py
*****
Module convertNumbers
convertNumbers.py:21:94: C0303: Trailing whitespace (trailing-whitespace)
convertNumbers.py:50:0: C0303: Trailing whitespace (trailing-whitespace)

-----
Your code has been rated at 9.73/10 (previous run: 6.85/10, +2.88)

(pruebas_software) oscarg@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ pylint convertNumbers.py

-----
Your code has been rated at 10.00/10 (previous run: 9.73/10, +0.27)
```

Ejecuciones

```
(pruebas_software) oscarg@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python convertNumbers.py P2/TC1.txt
Tiempo Transcurrido: 0.00266 segundos.
Resultados guardados en ConversionResults.txt
```

```
ConversionResults.txt
1   Elemento: 6980368, Valor Binario: 11010101000001100010000, Valor Hexadecimal: 6A8310
2   Elemento: 5517055, Valor Binario: 10101000010111011111111, Valor Hexadecimal: 542EFF
3   Elemento: 1336159, Valor Binario: 1010001100011010111111, Valor Hexadecimal: 14635F
4   Elemento: 6750185, Valor Binario: 110011011111111101001, Valor Hexadecimal: 66FFE9
5   Elemento: 1771937, Valor Binario: 110110000100110100001, Valor Hexadecimal: 1B09A1
6   Elemento: 360952, Valor Binario: 101100000111111000, Valor Hexadecimal: 581F8
7   Elemento: 5672561, Valor Binario: 10101101000111001100001, Valor Hexadecimal: 568E71
8   Elemento: 916583, Valor Binario: 1101111110001100111, Valor Hexadecimal: DFC67
9   Elemento: 2700138, Valor Binario: 1010010011001101010, Valor Hexadecimal: 29336A
10  Elemento: 9645053, Valor Binario: 10010011001010111111101, Valor Hexadecimal: 932BFD
11  Elemento: 1181110, Valor Binario: 100100000010110110110, Valor Hexadecimal: 1205B6
12  Elemento: 1492185, Valor Binario: 10110110001001101001, Valor Hexadecimal: 16C4D9
13  Elemento: 4018595, Valor Binario: 11110101000110100011, Valor Hexadecimal: 3D51A3
14  Elemento: 7654888, Valor Binario: 1110100110011011101000, Valor Hexadecimal: 74CDE8
15  Elemento: 7062453, Valor Binario: 11010111100001110110101, Valor Hexadecimal: 6BC385
16  Elemento: 2478010, Valor Binario: 1001011100111110111010, Valor Hexadecimal: 25CFBA
17  Elemento: 6134768, Valor Binario: 1011101100110111110000, Valor Hexadecimal: 5D9BF0
18  Elemento: 8420417, Valor Binario: 100000000111110001000001, Valor Hexadecimal: 807C41
19  Elemento: 2917489, Valor Binario: 101100100010001110001, Valor Hexadecimal: 2C8471
20  Elemento: 3340773, Valor Binario: 110010111100111100101, Valor Hexadecimal: 32F9E5
21  Elemento: 1115956, Valor Binario: 100010000011100110100, Valor Hexadecimal: 110734
22  Elemento: 9172192, Valor Binario: 10001011111010011100000, Valor Hexadecimal: 8BF4E0
23  Elemento: 6271996, Valor Binario: 10111111011001111111100, Valor Hexadecimal: 5FB3FC
24  Elemento: 8686939, Valor Binario: 100001001000110101011011, Valor Hexadecimal: 848D5B
25  Elemento: 50986, Valor Binario: 1100011100101010, Valor Hexadecimal: C72A
```

```
(pruebas_software) oscarg@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python convertNumbers.py P2/TC2.txt
Tiempo Transcurrido: 0.00334 segundos.
Resultados guardados en ConversionResults.txt
```

```
ConversionResults.txt
1 Elemento: 7116776, Valor Binario: 1101100100101111101000, Valor Hexadecimal: 6C97E8
2 Elemento: 1666340, Valor Binario: 11001011010100100100, Valor Hexadecimal: 196D24
3 Elemento: 8886983, Valor Binario: 10000111001101011000111, Valor Hexadecimal: 879AC7
4 Elemento: 839365, Valor Binario: 11001100111011000101, Valor Hexadecimal: CCEC5
5 Elemento: 924280, Valor Binario: 11100001101001111000, Valor Hexadecimal: E1A78
6 Elemento: 1026310, Valor Binario: 11111010100100000110, Valor Hexadecimal: FA906
7 Elemento: 1615293, Valor Binario: 110001010010110111101, Valor Hexadecimal: 18A5BD
8 Elemento: 1063875, Valor Binario: 10000001101111000011, Valor Hexadecimal: 103BC3
9 Elemento: 679035, Valor Binario: 1010010110001111011, Valor Hexadecimal: A5C7B
10 Elemento: 5201970, Valor Binario: 1001110110000000110010, Valor Hexadecimal: 4F6032
11 Elemento: 593979, Valor Binario: 10010001000000111011, Valor Hexadecimal: 9103B
12 Elemento: 801371, Valor Binario: 11000011101001011011, Valor Hexadecimal: C3A5B
13 Elemento: 3796878, Valor Binario: 111001111011110001110, Valor Hexadecimal: 39EF8E
14 Elemento: 7489201, Valor Binario: 1110010010001101011001, Valor Hexadecimal: 7246B1
15 Elemento: 9740020, Valor Binario: 10010100100111101100, Valor Hexadecimal: 949EF4
16 Elemento: 9128737, Valor Binario: 10001011010010110010001, Valor Hexadecimal: 8B4B21
17 Elemento: 5473463, Valor Binario: 10100111000010010110111, Valor Hexadecimal: 5384B7
18 Elemento: 8701957, Valor Binario: 10000100110010000000101, Valor Hexadecimal: 84C805
19 Elemento: 8238050, Valor Binario: 111101101100111110010, Valor Hexadecimal: 7DB3E2
20 Elemento: 8679038, Valor Binario: 10000100011011100111110, Valor Hexadecimal: 846E7E
21 Elemento: 385912, Valor Binario: 1011110001101111000, Valor Hexadecimal: 5E378
22 Elemento: 5867340, Valor Binario: 1011001100011101001100, Valor Hexadecimal: 59874C
23 Elemento: 4894542, Valor Binario: 1001010101011101001110, Valor Hexadecimal: 4AAF4E
24 Elemento: 8999451, Valor Binario: 100010010101001000011011, Valor Hexadecimal: 89521B
25 Elemento: 4392535, Valor Binario: 10000110000011001010111, Valor Hexadecimal: 430657
```

```
(pruebas_software) oscar@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python convertNumbers.py P2/TC3.txt
Tiempo Transcurrido: 0.00309 segundos.

Resultados guardados en ConversionResults.txt
```

```
ConversionResults.txt
1 Elemento: -39, Valor Binario: -100111, Valor Hexadecimal: -27
2 Elemento: -36, Valor Binario: -100100, Valor Hexadecimal: -24
3 Elemento: 8, Valor Binario: 1000, Valor Hexadecimal: 8
4 Elemento: 34, Valor Binario: 100010, Valor Hexadecimal: 22
5 Elemento: 17, Valor Binario: 10001, Valor Hexadecimal: 11
6 Elemento: 49, Valor Binario: 110001, Valor Hexadecimal: 31
7 Elemento: 5, Valor Binario: 101, Valor Hexadecimal: 5
8 Elemento: 39, Valor Binario: 100111, Valor Hexadecimal: 27
9 Elemento: 0, Valor Binario: 0, Valor Hexadecimal: 0
10 Elemento: 33, Valor Binario: 100001, Valor Hexadecimal: 21
11 Elemento: 12, Valor Binario: 1100, Valor Hexadecimal: C
12 Elemento: -6, Valor Binario: -110, Valor Hexadecimal: -6
13 Elemento: 27, Valor Binario: 11011, Valor Hexadecimal: 1B
14 Elemento: -4, Valor Binario: -100, Valor Hexadecimal: -4
15 Elemento: -38, Valor Binario: -100110, Valor Hexadecimal: -26
16 Elemento: 26, Valor Binario: 11010, Valor Hexadecimal: 1A
17 Elemento: 49, Valor Binario: 110001, Valor Hexadecimal: 31
18 Elemento: 29, Valor Binario: 11101, Valor Hexadecimal: 1D
19 Elemento: 42, Valor Binario: 101010, Valor Hexadecimal: 2A
20 Elemento: -16, Valor Binario: -10000, Valor Hexadecimal: -10
21 Elemento: -28, Valor Binario: -11100, Valor Hexadecimal: -1C
22 Elemento: 34, Valor Binario: 100010, Valor Hexadecimal: 22
23 Elemento: 20, Valor Binario: 10100, Valor Hexadecimal: 14
24 Elemento: 0, Valor Binario: 0, Valor Hexadecimal: 0
25 Elemento: 25, Valor Binario: 11001, Valor Hexadecimal: 19
```

```
(pruebas_software) oscarg@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python convertNumbers.py P2/TC4.txt
Error en linea 8: 'ABC'
Error en linea 21: 'ERR'
Error en linea 41: 'VAL'

Tiempo Transcurrido: 0.00309 segundos.

Resultados guardados en ConversionResults.txt

ConversionResults.txt
1   Elemento: -39, Valor Binario: -100111, Valor Hexadecimal: -27
2   Elemento: -36, Valor Binario: -100100, Valor Hexadecimal: -24
3   Elemento: 8, Valor Binario: 1000, Valor Hexadecimal: 8
4   Elemento: 34, Valor Binario: 100010, Valor Hexadecimal: 22
5   Elemento: 17, Valor Binario: 10001, Valor Hexadecimal: 11
6   Elemento: 49, Valor Binario: 110001, Valor Hexadecimal: 31
7   Elemento: 5, Valor Binario: 101, Valor Hexadecimal: 5
8   Valor Invalido: ABC
9   Elemento: 0, Valor Binario: 0, Valor Hexadecimal: 0
10  Elemento: 33, Valor Binario: 100001, Valor Hexadecimal: 21
11  Elemento: 12, Valor Binario: 1100, Valor Hexadecimal: C
12  Elemento: -6, Valor Binario: -110, Valor Hexadecimal: -6
13  Elemento: 27, Valor Binario: 11011, Valor Hexadecimal: 1B
14  Elemento: -4, Valor Binario: -100, Valor Hexadecimal: -4
15  Elemento: -38, Valor Binario: -100110, Valor Hexadecimal: -26
16  Elemento: 26, Valor Binario: 11010, Valor Hexadecimal: 1A
17  Elemento: 49, Valor Binario: 110001, Valor Hexadecimal: 31
18  Elemento: 29, Valor Binario: 11101, Valor Hexadecimal: 1D
19  Elemento: 42, Valor Binario: 101010, Valor Hexadecimal: 2A
20  Elemento: -16, Valor Binario: -10000, Valor Hexadecimal: -10
21  Valor Invalido: ERR
22  Elemento: 34, Valor Binario: 100010, Valor Hexadecimal: 22
23  Elemento: 20, Valor Binario: 10100, Valor Hexadecimal: 14
24  Elemento: 0, Valor Binario: 0, Valor Hexadecimal: 0
25  Elemento: 25, Valor Binario: 110001, Valor Hexadecimal: 19
```

3. Count Words

pylint

```
(pruebas_software) oscarg@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ pylint wordCount.py
*****
Module wordCount
wordCount.py:5:0: C0303: Trailing whitespace (trailing-whitespace)
wordCount.py:7:0: C0303: Trailing whitespace (trailing-whitespace)
wordCount.py:12:0: C0303: Trailing whitespace (trailing-whitespace)
wordCount.py:15:0: C0303: Trailing whitespace (trailing-whitespace)
wordCount.py:17:0: C0303: Trailing whitespace (trailing-whitespace)
wordCount.py:20:0: C0303: Trailing whitespace (trailing-whitespace)
wordCount.py:28:0: C0303: Trailing whitespace (trailing-whitespace)
wordCount.py:38:0: C0303: Trailing whitespace (trailing-whitespace)
wordCount.py:49:0: C0303: Trailing whitespace (trailing-whitespace)
wordCount.py:56:0: C0303: Trailing whitespace (trailing-whitespace)
wordCount.py:74:0: C0304: Final newline missing (missing-final-newline)
wordCount.py:1:0: C0114: Missing module docstring (missing-module-docstring)
wordCount.py:1:0: C0103: Module name "wordCount" doesn't conform to snake_case naming style (invalid-name)
wordCount.py:4:0: C0116: Missing function or method docstring (missing-function-docstring)
wordCount.py:4:12: W0621: Redefining name 'archivo_path' from outer scope (line 39) (redefined-outer-name)
wordCount.py:9:58: W0621: Redefining name 'archivo' from outer scope (line 4) (redefined-outer-name)
wordCount.py:10:30: W0621: Redefining name 'linea' from outer scope (line 52) (redefined-outer-name)
wordCount.py:18:20: W0621: Redefining name 'palabra' from outer scope (line 50) (redefined-outer-name)
wordCount.py:10:16: W0612: Unused variable 'numero_linea' (unused-variable)
wordCount.py:65:0: C0103: Constant name "salida_datos" doesn't conform to UPPER_CASE naming style (invalid-name)

-----
Your code has been rated at 5.65/10
```

```
(pruebas_software) oscarg@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ pylint wordCount.py
*****
Module wordCount
wordCount.py:60:0: C0303: Trailing whitespace (trailing-whitespace)
wordCount.py:8:0: C0116: Missing function or method docstring (missing-function-docstring)

-----
Your code has been rated at 9.57/10 (previous run: 5.65/10, +3.91)

(pruebas_software) oscarg@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ pylint wordCount.py

-----
Your code has been rated at 10.00/10 (previous run: 9.57/10, +0.43)
```

Ejecuciones

```
(pruebas_software) oscarg@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python wordCount.py P3/TC1.txt
achievement: 1
adequate: 1
adventures: 1
anal: 1
andrews: 1
assessed: 1
bedding: 1
blues: 1
buying: 1
cartridge: 1
cgi: 1
championship: 1
clear: 1
club: 1
coastal: 1
collect: 1
comm: 1
confirm: 1
conservative: 2
consistent: 1
contamination: 1
could: 1
```

```
WordCountResults.txt
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75 pin: 1
76 potentially: 1
77 pubmed: 1
78 recorded: 1
79 regulatory: 1
80 rl: 1
81 scoring: 1
82 seats: 1
83 seed: 1
84 shadow: 1
85 shower: 1
86 significance: 1
87 sparc: 1
88 sure: 1
89 tab: 1
90 taxes: 1
91 tea: 1
92 teaches: 1
93 tions: 1
94 trained: 1
95 uni: 1
96 vagina: 1
97 wan: 1
98 webcast: 1
99 worse: 1
100
101 Tiempo Transcurrido: 0.00290 segundos.
```

```
(pruebas_software) oscar@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python wordCount.py P3/TC2.txt
advantages: 1
afternoon: 1
algebra: 1
amongst: 4
amounts: 1
anchor: 1
answering: 1
apache: 1
atomic: 1
attending: 1
automation: 1
bases: 1
biz: 1
blowjob: 1
boots: 1
brass: 4
builders: 1
cannon: 1
catalog: 1
chain: 4
cheese: 1
chosen: 1
clan: 1
classes: 1
come: 1
comic: 1
compatibility: 1
conduct: 1
conferencing: 1
```

WordCountResults.txt

```
114    rio: 1
115    rule: 1
116    sectors: 1
117    serious: 1
118    sides: 1
119    sorry: 1
120    southampton: 1
121    sq: 1
122    ss: 1
123    steve: 1
124    stores: 1
125    str: 1
126    sweden: 1
127    table: 1
128    targeted: 4
129    tba: 1
130    teen: 1
131    textiles: 1
132    tiger: 1
133    touch: 1
134    turkish: 1
135    undo: 1
136    unity: 1
137    variety: 1
138    vessels: 1
139    vice: 1
140    violence: 1
141    way: 1
142    weight: 1
143    win: 1
144    wood: 3
145
146    Tiempo Transcurrido: 0.00235 segundos.
```

```
(pruebas_software) oscar@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python wordCount.py P3/TC3.txt
acquisition: 1
advances: 1
affects: 1
aids: 1
allergy: 1
ambient: 1
an: 1
analyzed: 1
antiques: 1
apple: 1
archive: 1
archived: 1
argued: 1
aruba: 1
aside: 1
assembled: 1
aw: 1
ban: 1
bangbus: 1
basin: 1
bedrooms: 1
beds: 1
belt: 1
benchmark: 1
bestiality: 1
```

```
WordCountResults.txt
459   uses: 1
460   utils: 1
461   vagina: 1
462   validity: 1
463   vibrators: 1
464   victory: 1
465   virginia: 1
466   voice: 1
467   vs: 1
468   waiver: 1
469   wal: 1
470   walking: 1
471   want: 1
472   waste: 1
473   wave: 1
474   webshots: 1
475   widely: 1
476   williams: 1
477   windsor: 1
478   wma: 1
479   women: 1
480   wonder: 1
481   wooden: 1
482   works: 1
483   wrote: 1
484   ya: 1
485   you: 1
486   z: 1
487   zdnet: 1
488
489   Tiempo Transcurrido: 0.00238 segundos.
```

```
(pruebas_software) oscar@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python wordCount.py P3/TC4.txt
adjustable: 1
admin: 1
adolescent: 1
albuquerque: 1
alternatives: 1
amazon: 1
analyst: 1
annual: 2
appreciate: 1
approve: 1
ar: 1
arabia: 1
architects: 1
arthritis: 1
asian: 1
assessed: 1
assigned: 1
ata: 1
ate: 1
attention: 1
audit: 1
australian: 1
az: 1
```

```
WordCountResults.txt
923    weapons: 1
924    wearing: 1
925    website: 1
926    wedding: 1
927    weekly: 1
928    wild: 1
929    win: 1
930    winston: 1
931    wishlist: 1
932    with: 1
933    words: 1
934    work: 1
935    worker: 1
936    worry: 1
937    would: 1
938    wound: 1
939    wv: 1
940    y: 1
941    yellow: 1
942    yet: 1
943    yourself: 1
944    yu: 1
945    yukon: 1
946    z: 1
947    za: 2
948    zen: 1
949    zimbabwe: 2
950
951    Tiempo Transcurrido: 0.00349 segundos.
```

```
(pruebas_software) oscar@LAPTOP-RRFLBEHP:/mnt/c/Users/oscar/pruebas_software$ python wordCount.py P3/TC5.txt
acquired: 1
adjust: 1
advantage: 1
affairs: 1
afterwards: 1
agenda: 1
aim: 1
albums: 1
allowed: 1
americans: 1
amsterdam: 1
andy: 1
anthropology: 1
antique: 1
anybody: 1
anytime: 1
anywhere: 1
appearing: 1
applied: 1
ar: 2
argue: 1
arise: 1
arkansas: 1
asin: 1
```

WordCountResults.txt

```
3723    xml: 2
3724    yamaha: 1
3725    yang: 1
3726    yarn: 3
3727    ye: 1
3728    yea: 1
3729    yeah: 1
3730    year: 1
3731    yearly: 1
3732    yeast: 1
3733    yemen: 1
3734    yen: 1
3735    yesterday: 2
3736    yield: 2
3737    yields: 1
3738    yn: 1
3739    yo: 2
3740    you: 1
3741    younger: 1
3742    yourself: 1
3743    yr: 2
3744    yrs: 3
3745    yugoslavia: 1
3746    yukon: 1
3747    zambia: 1
3748    zdnet: 2
3749    zealand: 1
3750    zen: 1
3751
3752    Tiempo Transcurrido: 0.00817 segundos.
```