



### **3.2 Ejercicio de Programación 1**

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## Consideraciones Iniciales

Se encontraron discrepancias e instrucciones conflictivas en los requerimientos de esta asignación. A continuación, y bajo el espíritu de los principios sobre calidad en los requerimientos de desarrollo estudiados en semanas anteriores, se documentan los problemas identificados, así como las decisiones tomadas para resolverlos con su respectiva justificación.

### Requerimiento 3

Este requerimiento no especifica qué debe considerarse como datos inválidos. Para evitar errores de procesamiento, se definieron los siguientes criterios para determinar si una cadena de caracteres es un número válido o una palabra válida:

#### Números válidos:

- Números reales, excluyendo los términos de infinidad positiva o negativa (`inf`, `-inf`).

#### Palabras válidas:

- Deben comenzar con una letra o un dígito; no pueden comenzar con un guion (-).
- Pueden contener guiones (-), pero cada guion debe ir seguido de al menos una letra o un dígito.
- No se permiten guiones consecutivos (--); cada guion debe estar separado por caracteres alfanuméricos.
- No pueden terminar con un guion (-).
- Deben contener únicamente letras (a-z, A-Z), dígitos (0-9) y guiones (-). No se permiten caracteres especiales ni espacios en blanco.

### Requerimiento 4

El nombre del programa indicado en este requerimiento viola la convención de nombres de módulos en Python <sup>1</sup>, la cual prescribe el uso de minúsculas y el carácter subrayado (\_) para mejorar la legibilidad. Como resultado, el uso del nombre actual genera la siguiente advertencia en pylint:

```
C0103: Module name "wordCount" doesn't conform to snake_case naming style (invalid-name)
```

Esto entra en conflicto con el **Requerimiento 8**, que exige que el programa cumpla con los estándares PEP8.

Debido a esto y para cumplir con el requerimiento de la asignación y de la rubrica se recurrió a la utilización de la directiva de pylint `# pylint: disable=invalid-name` para suprimir el mensaje de del linter.

<sup>1</sup> <https://peps.python.org/pep-0008/#package-and-module-names>

# Evidencias de Ejecución

A continuación se muestran capturas de pantallas demostrando así los resultados obtenidos tras la ejecución del programa de pylint para verificar que el código es acorde a los estándares PEP8 y tras la ejecución de los programas desarrollados utilizando los archivos de entrada proveídos para las pruebas

El código fuente se encuentra disponible en Git Hub bajo la liga: [https://github.com/rzagni/A01795457\\_A4.2](https://github.com/rzagni/A01795457_A4.2)

## 1. Compute Statistics

```
● (ml-models) rzagni@Shotokan A01795457_A4.2 % ls
P1 P2 P3 computeStatistics.py convertNumbers.py wordCount.py
● (ml-models) rzagni@Shotokan A01795457_A4.2 % pylint computeStatistics.py

Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)

● (ml-models) rzagni@Shotokan A01795457_A4.2 % python computeStatistics.py P1/TC1.txt
Line 400 is not a valid number: 405s
Mean: 241.91228070175438
Median: 239
Mode: 393
Variance: 21139.286255840605
Standard Deviation: 145.39355644539617
Execution time: 0.00452 seconds

● (ml-models) rzagni@Shotokan A01795457_A4.2 % python computeStatistics.py P1/TC2.txt
Mean: 250.7840161861406
Median: 247
Mode: 230
Variance: 20795.888043983545
Standard Deviation: 144.20779467138226
Execution time: 0.00415 seconds

● (ml-models) rzagni@Shotokan A01795457_A4.2 % python computeStatistics.py P1/TC3.txt
Mean: 249.77621989860583
Median: 249
Mode: 94
Variance: 21118.950393821877
Standard Deviation: 145.3236057694065
Execution time: 0.01414 seconds

● (ml-models) rzagni@Shotokan A01795457_A4.2 % python computeStatistics.py P1/TC4.txt
Mean: 149.00267347908746
Median: 147.75
Mode: 123.75
Variance: 17009.268218511454
Standard Deviation: 130.41958525663028
Execution time: 0.02231 seconds

● (ml-models) rzagni@Shotokan A01795457_A4.2 % python computeStatistics.py P1/TC5.txt
Line 5 is not a valid number: ABA
Line 155 is not a valid number: 23,45
Line 232 is not a valid number: 11;54
Line 239 is not a valid number: ll
Mean: 241.49511400651465
Median: 241
Mode: 393
Variance: 21229.172361669967
Standard Deviation: 145.70234164786086
Execution time: 0.00292 seconds

● (ml-models) rzagni@Shotokan A01795457_A4.2 % python computeStatistics.py P1/TC6.txt
Mean: 187906599279774433280
Median: 188008049965542998016
Mode: None
Variance: 11534749616069340657613597980597774450688
Standard Deviation: 107399951657667608576
Execution time: 0.00520 seconds

● (ml-models) rzagni@Shotokan A01795457_A4.2 % ls -l
total 56
drwxr-xr-x@ 11 rzagni staff 352 Feb 2 16:39 P1
drwxr-xr-x@ 7 rzagni staff 224 Jan 29 08:49 P2
drwxr-xr-x@ 12 rzagni staff 384 Nov 26 20:23 P3
-rw-r--r--@ 1 rzagni staff 939 Feb 2 17:22 StatisticsResults.txt
-rw-r--r--@ 1 rzagni staff 6165 Feb 2 16:11 computeStatistics.py
-rw-r--r--@ 1 rzagni staff 5704 Feb 2 16:04 convertNumbers.py
-rw-r--r--@ 1 rzagni staff 4328 Feb 2 16:05 wordCount.py
● (ml-models) rzagni@Shotokan A01795457_A4.2 %
```

## 2. Converter

```
• (ml-models) rzagni@Shotokan A01795457_A4.2 % ls
P1                               P3      computeStatistics.py  wordCount.py
P2      StatisticsResults.txt    convertNumbers.py
• (ml-models) rzagni@Shotokan A01795457_A4.2 % pylint convertNumbers.py
```

Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)

```
• (ml-models) rzagni@Shotokan A01795457_A4.2 % python convertNumbers.py P2/TC1.txt
```

| Decimal | Binary | Hexadecimal |
|---------|--------|-------------|
|---------|--------|-------------|

|         |                          |        |
|---------|--------------------------|--------|
| 6980368 | 11010101000001100010000  | 6A8310 |
| 5517055 | 10101000010110111111111  | 542EFF |
| 1336159 | 101000110001101011111    | 14635F |
| 6758185 | 1100110111111111101001   | 66FFE9 |
| 1771937 | 110110000100110100001    | 1809A1 |
| 368952  | 1011000000111111000      | 581F8  |
| 5672561 | 10101101000111001110001  | 568E71 |
| 916583  | 1101111110001100111      | DFC67  |
| 2700138 | 1010010011001101101010   | 29336A |
| 9645053 | 10010011001010111111101  | 9328FD |
| 1181110 | 10010000001011010110     | 120586 |
| 1492185 | 101101100010011011001    | 16C4D9 |
| 4018595 | 1111010101000110100011   | 3051A3 |
| 7654888 | 1110100110011011101000   | 74CDE8 |
| 7062453 | 11010111100001110110101  | 68C3B5 |
| 2478010 | 1001011100111110111010   | 25CFBA |
| 6134768 | 10111011001101111110000  | 5D9BF0 |
| 8420417 | 10000000011111000100001  | 807C41 |
| 2917489 | 1011001000010001110001   | 2C8471 |
| 3340773 | 1100101111100111100101   | 32F9E5 |
| 1115956 | 100010000011100110100    | 110734 |
| 9172192 | 10001011111101001110000  | 8BF4E0 |
| 6271996 | 10111111011001111111100  | 5FB3FC |
| 8686939 | 100001001000110101011011 | 848D5B |
| 50986   | 1100011100101010         | C72A   |
| 9376410 | 1000111100010010011010   | 8F129A |
| 5962327 | 1011010111110100101011   | 5AFA57 |
| 7686891 | 11101010100101011101011  | 754AEB |
| 6615183 | 11001001111000010001111  | 64F08F |
| 1864844 | 111000111010010001100    | 1C748C |
| 3329962 | 1100101100111110101010   | 32CFAA |
| 3942794 | 1111000010100110001010   | 3C298A |
| 2614836 | 1001111110011000110100   | 27E634 |
| 7406772 | 1110001000001001011010   | 7104B4 |
| 2384190 | 1001000110000100111110   | 24613E |
| 398347  | 1100001010000001011      | 61408  |
| 8698503 | 10000100101110101000111  | 84BA87 |
| 9551696 | 10010001101111110101000  | 91BF50 |
| 1019556 | 11111000111010100100     | F8EA4  |
| 1677430 | 110011001100001110110    | 199876 |
| 3479629 | 1101010001100001001101   | 35184D |
| 9309008 | 10001110000010101010000  | 8E0B50 |
| 5266170 | 10100000101101011111010  | 505AFA |
| 4094340 | 1111100111100110000100   | 3E7984 |
| 1754055 | 110101100001111000111    | 1AC3C7 |
| 5861132 | 10110010110111100001100  | 596F0C |
| 4471329 | 10001000011101000100001  | 443A21 |
| 8826052 | 100001101010110011000100 | 86ACC4 |
| 7469325 | 11100011111100100001101  | 71F90D |
| 5266939 | 10100000101110111111011  | 505DFB |
| 221545  | 11011000001011001        | 36169  |
| 7957027 | 11110010110101000100011  | 796A23 |
| 3195361 | 1100001100000111100001   | 30C1E1 |
| 7106269 | 11011000110111011011101  | 6C6EDD |
| 9633312 | 10010010111111000100000  | 92FE20 |
| 9713704 | 100101000011100000101000 | 943828 |
| 91925   | 10110011100010101        | 16715  |
| 4418686 | 10000110110110001111110  | 436C7E |
| 9682250 | 100100111011110101001010 | 93BD4A |
| 2583824 | 100111011010100010000    | 276D10 |
| 4979126 | 1001011111100110110110   | 4BF9B6 |
| 6280954 | 10111111101011011111010  | 5FD6FA |
| 1228610 | 10010101111101000010     | 12BF42 |
| 705518  | 10101100001111101110     | AC3EE  |
| 1017653 | 11111000011100110101     | F8735  |
| 500098  | 1111010000110000010      | 7A182  |
| 7210727 | 11011100000011011100111  | 6E06E7 |
| 4250898 | 10000001101110100010010  | 40DD12 |
| 4055028 | 111101110111111110100    | 3DDFF4 |
| 2754240 | 1010100000011011000000   | 2A06C0 |
| 452999  | 1101110100110000111      | 6E987  |
| 6831458 | 11010000011110101100010  | 683D62 |
| 207636  | 110010101100010100       | 32B14  |
| 7280635 | 11011110001011111111011  | 6F17FB |
| 3308937 | 1100100111110110001001   | 327D89 |
| 4303570 | 10000011010101011010010  | 41AAD2 |
| 8375055 | 11111111100101100001111  | 7FCB0F |
| 1457960 | 101100011111100101000    | 163F28 |
| 5197625 | 10011110100111100111001  | 4F4F39 |
| 3144371 | 1011111111101010110011   | 2FFAB3 |
| 6674138 | 11001011101011011011010  | 65D6DA |
| 2692106 | 1010010001010000001010   | 29140A |
| 2276769 | 1000101011110110100001   | 22BDA1 |
| 1940971 | 111011001110111101011    | 1D9DEB |
| 3288264 | 1100100010110011001000   | 322CC8 |
| 4819803 | 10010011000101101011011  | 498B5B |
| 9431005 | 10001111111001111101101  | 8FE70D |
| 3992019 | 1111001110100111010011   | 3CE9D3 |
| 8184782 | 11111001110001111001110  | 7CE3CE |
| 2847975 | 10101101110100111100111  | 2B74E7 |
| 7891025 | 11110000110100001010001  | 786851 |

|         |                          |        |
|---------|--------------------------|--------|
| 900082  | 1101101110111110010      | DBBF2  |
| 1831532 | 110111111001001101100    | 1BF26C |
| 8428253 | 10000000100110101101101  | 809ADD |
| 2905752 | 1011000101011010011000   | 2C5698 |
| 9763121 | 100101001111100100110001 | 94F931 |
| 257890  | 111110111101100010       | 3EF62  |
| 4699761 | 10001111011011001110001  | 47B671 |
| 359541  | 1010111110001110101      | 57C75  |
| 3446150 | 1101001001010110000110   | 349586 |
| 4246818 | 10000001100110100100010  | 40CD22 |
| 1848840 | 111000011011000001000    | 1C3608 |
| 938480  | 11100101000111110000     | E51F0  |
| 227465  | 11011100010001001        | 37889  |
| 3923488 | 1110111101111000100000   | 38DE20 |
| 8915697 | 10001000000010101110001  | 880AF1 |
| 4309094 | 10000011100000001100110  | 41C066 |
| 3891251 | 1110110110000000110011   | 3B6033 |
| 8627956 | 100000111010011011110100 | 83A6F4 |
| 5884613 | 10110011100101011000101  | 59CAC5 |
| 1659318 | 110010101000110110110    | 1951B6 |
| 1834855 | 110111111111101100111    | 1BFF67 |
| 3386751 | 110011101011010111111    | 33AD7F |
| 3000166 | 1011011100011101100110   | 2DC766 |
| 9135626 | 100010110110011000001010 | 8B660A |
| 4869260 | 10010100100110010001100  | 4A4C8C |
| 76550   | 10010101100000110        | 12B06  |
| 432271  | 1101001100010001111      | 6988F  |
| 251028  | 111101010010010100       | 3D494  |
| 7016218 | 11010110000111100011010  | 6B0F1A |
| 6896099 | 11010010011100111100011  | 6939E3 |
| 8386350 | 11111111111011100101110  | 7FF72E |
| 8637147 | 100000111100101011011011 | 83CADB |
| 936705  | 11100100101100000001     | E4B01  |
| 6602175 | 11001001011110110111111  | 64BDBF |
| 1429181 | 101011100111010111101    | 15CEB0 |
| 8395138 | 100000000001100110000010 | 801982 |
| 6132809 | 10111011001010001001001  | 5D9449 |
| 5936917 | 10110101001011100010101  | 5A9715 |
| 2878578 | 1010111110110001110010   | 2BEC72 |
| 158885  | 100110110010100101       | 26CA5  |
| 2441957 | 1001010100001011100101   | 2542E5 |
| 5914794 | 10110100100000010101010  | 5A40AA |
| 3999272 | 1111010000011000101000   | 3D0628 |
| 3142897 | 10111111111010011110001  | 2FF4F1 |
| 8151159 | 11111000110000001110111  | 7C6077 |
| 5147564 | 10011101000101110101100  | 4E8BAC |
| 4595374 | 1000110000111101010110   | 461EAE |
| 4234951 | 10000001001111011000111  | 409EC7 |
| 7880605 | 1111000001111110011101   | 783F9D |
| 7009921 | 11010101111011010000001  | 6AF681 |
| 695580  | 10101001110100011100     | A9D1C  |
| 7370443 | 11100000111011011001011  | 7076CB |
| 7921729 | 11110001110000001000001  | 78E041 |
| 8419625 | 100000000111100100101001 | 807929 |
| 7024080 | 11010110010110111010000  | 6B2DD0 |
| 3905988 | 11101110011001110001100  | 3B99C4 |
| 1767599 | 11010111110001010111     | 1AF8AF |
| 935136  | 11100100010011100000     | E44E0  |
| 635788  | 10011011001110001100     | 9B38C  |
| 8807719 | 100001100110010100100111 | 866527 |
| 317375  | 1001101011110111111      | 4D7BF  |
| 9975410 | 100110000011011001110010 | 983672 |
| 2727968 | 1010011010000000100000   | 29A020 |
| 7444399 | 11100011001011110101111  | 7197AF |
| 4065675 | 1111100000100110001011   | 3E0988 |
| 9925720 | 100101110111010001011000 | 977458 |
| 2293633 | 1000101111111110000001   | 22FF81 |
| 7734826 | 11101100000011000101010  | 76062A |
| 1065463 | 100000100000111110111    | 1041F7 |
| 1105617 | 100001101111011010001    | 10DED1 |
| 5325800 | 10100010100001111101000  | 5143E8 |
| 3822527 | 1110100101001110111111   | 3A53BF |
| 5503858 | 10100111111101101110010  | 53FB72 |
| 9214055 | 100011001001100001100111 | 8C0867 |
| 6521769 | 11000111000001110101001  | 6383A9 |
| 7923796 | 11110001110100001010100  | 78E854 |
| 5250236 | 1010000000110010111100   | 501CBC |
| 1003154 | 100001000011100010010    | 108712 |
| 472141  | 1110011010001001101      | 7344D  |
| 9597454 | 100100100111001000001110 | 92720E |
| 1581679 | 1100000100010011011111   | 18226F |
| 656751  | 10100000010101101111     | A056F  |
| 345464  | 1010100010101111000      | 54578  |
| 4281218 | 10000010101001110000010  | 415382 |
| 6558883 | 11001000001010010100011  | 6414A3 |
| 3852986 | 111010110010101111010    | 3ACABA |
| 6263187 | 10111111001000110010011  | 5F9193 |
| 5828308 | 10110001110111011010100  | 58EED4 |
| 8058535 | 11110101111011010100111  | 7AF6A7 |
| 9035191 | 100010011101110110110111 | 89DDB7 |
| 7922103 | 11110001110000110110111  | 78E1B7 |
| 9366003 | 100011101110100111110011 | 8EE9F3 |
| 4555717 | 10001011000001111000101  | 4583C5 |
| 3526753 | 1101011101000001100001   | 35D061 |
| 3176815 | 1100000111100101101111   | 30796F |
| 858440  | 11010001100101001000     | D1948  |
| 2250854 | 1000100101100001100110   | 225866 |

Execution time: 0.00364 seconds

o (ml-models) rzagni@Shotokan A01795457\_A4.2 %

• (ml-models) rzagni@Shotokan A01795457\_A4.2 % python convertNumbers.py P2/TC2.txt

| Decimal | Binary                   | Hexadecimal |
|---------|--------------------------|-------------|
| 7116776 | 11011001001011111101000  | 6C97E8      |
| 1666340 | 110010110110100100100    | 196D24      |
| 8886983 | 100001111001101011000111 | 879AC7      |
| 839365  | 11001100111011000101     | CCEC5       |
| 924280  | 111000011010011111000    | E1A78       |
| 1026310 | 11111010100100000110     | FA906       |
| 1615293 | 110001010010110111101    | 18A5B0      |
| 1063875 | 100000011101111000011    | 103BC3      |
| 679035  | 10100101110001111011     | A5C7B       |
| 5201970 | 10011110110000000110010  | 4F6032      |
| 593979  | 10010001000000111011     | 9103B       |
| 801371  | 11000011101001011011     | C3A5B       |
| 3796878 | 1110011110111110001110   | 39EF8E      |
| 7489201 | 11100100100011010110001  | 7246B1      |
| 9740020 | 10010100100111101110100  | 949EF4      |
| 9128737 | 100010110100101100100001 | 8B4B21      |
| 5473463 | 1010011100001001011011   | 5384B7      |
| 8701957 | 100001001100100000000101 | 84C805      |
| 8238050 | 11111011011001111100010  | 7DB3E2      |
| 8679038 | 100001000110111001111110 | 846E7E      |
| 385912  | 1011110001101111000      | 5E378       |
| 5867340 | 10110011000011101001100  | 59874C      |
| 4894542 | 10010101010111101001110  | 4AAFAE      |
| 8999451 | 100010010101001000011011 | 89521B      |
| 4392535 | 1000011000001100101011   | 430657      |
| 2078131 | 1111110110101110110011   | 1FB5B3      |
| 3070124 | 1011101101100010101100   | 2ED8AC      |
| 7451998 | 11100011011010101011110  | 71B55E      |
| 5635510 | 10101011111110110110110  | 55FDB6      |
| 1233932 | 100101101010000001100    | 12D40C      |
| 6089867 | 10111001110110010001011  | 5CEC8B      |
| 1792316 | 1101101011001001111100   | 1B593C      |
| 6298637 | 11000000001110000001101  | 601C0D      |
| 2408038 | 1001001011111001100110   | 24BE66      |
| 8510100 | 1000000111011010010100   | 81DA94      |
| 991581  | 11110010000101011101     | F215D       |
| 6455739 | 11000101000000110111011  | 6281B8      |
| 7829175 | 111011101110110110111    | 777B67      |
| 6328931 | 11000001001001100011     | 609263      |
| 9982305 | 100110000101000101100001 | 985161      |
| 2292022 | 1000101111100100110110   | 22F936      |
| 1070496 | 10000010101101100000     | 1055A0      |
| 8518360 | 100000011111101011011000 | 81FAD8      |
| 6378470 | 11000010101001111100110  | 6153E6      |
| 7756258 | 11101100101100111100010  | 7659E2      |
| 7111167 | 1101100100001000101011   | 6C8457      |
| 2685897 | 10100011111101111001001  | 28FBC9      |
| 617946  | 10010110110111011010     | 96DDA       |
| 246280  | 111100001000001000       | 3C208       |
| 6075442 | 10111001011010000110010  | 5CB432      |
| 991323  | 11110010000001011011     | F205B       |
| 6754202 | 11001110000111110011010  | 670F9A      |
| 3103178 | 1011110101100111001010   | 2F59CA      |
| 3228842 | 1100010100010010101010   | 3144AA      |
| 6786623 | 11001111000111000111111  | 678E3F      |
| 5329085 | 10100010101000010111101  | 51508D      |
| 2334647 | 100011100111111011011    | 239FB7      |
| 7253396 | 110111010110110010100    | 6EAD94      |
| 6516953 | 11000110111000011011001  | 6370D9      |
| 5972725 | 10110110010001011110101  | 5B22F5      |
| 5828037 | 10110001110110111000101  | 58EDC5      |
| 6642265 | 11001010101101001011001  | 655A59      |
| 2559699 | 1001110000111011010011   | 270ED3      |
| 6597631 | 11001001010101111111111  | 64ABFF      |
| 5826202 | 10110001110011010011010  | 58E69A      |
| 4642335 | 10001101101011000011111  | 46D61F      |
| 1862900 | 111000110110011110100    | 1C6CF4      |
| 6039635 | 10111000010100001010011  | 5C2853      |
| 3358744 | 110011010000000011000    | 334018      |
| 885678  | 110110000011101011110    | D83AE       |
| 8546891 | 100000100110101001001011 | 826A4B      |
| 6683923 | 11001011111110100010011  | 65FD13      |
| 7064472 | 11010111100101110011000  | 68CB98      |
| 3430021 | 1101000101011010000101   | 345685      |
| 9764122 | 100101001111110100011010 | 94FD1A      |
| 9958605 | 100101111111010011001101 | 97F4CD      |
| 1006022 | 11110101100111000110     | F59C6       |
| 5276496 | 10100001000001101010000  | 508350      |
| 8876232 | 100001110111000011001000 | 8770C8      |
| 3364648 | 1100110101011100101000   | 335728      |
| 3539979 | 1101100000010000001011   | 36040B      |
| 3003857 | 1011011101010111010001   | 2DD5D1      |
| 4481634 | 10001000110001001100010  | 446262      |
| 9035781 | 10001001111000000000101  | 89E005      |
| 3767021 | 1110010111101011101101   | 397AED      |
| 4993901 | 10011000011001101101101  | 4C336D      |
| 8698377 | 100001001011101000001001 | 84BA09      |
| 4626501 | 10001101001100001000101  | 469845      |
| 1755352 | 110101100100011011000    | 1AC8D8      |
| 2755340 | 1010100000101100001100   | 2A0B0C      |
| 5150616 | 10011101001011110011000  | 4E9798      |
| 9345169 | 100011101001100010010001 | 8E9891      |
| 848948  | 11001111010000110100     | CF434       |
| 2708748 | 1010010101010100001100   | 29550C      |
| 8372451 | 11111111100000011100011  | 7FC0E3      |
| 3523015 | 1101011100000111000111   | 35C1C7      |
| 2624283 | 1010000000101100011011   | 280B1B      |
| 8795348 | 100001100011010011010100 | 8634D4      |
| 2318100 | 1000110101111100010100   | 235F14      |
| 4750861 | 10010000111111000001101  | 487E0D      |
| 3770597 | 1110011000100011100101   | 3988E5      |
| 1053352 | 100000001001010101000    | 1012A8      |
| 833307  | 11001011011100011011     | CB71B       |
| 4632526 | 10001101010111111001110  | 46AFCE      |
| 2212917 | 1000011100010000110101   | 21C435      |
| 5053189 | 10011010001101100000101  | 4D1B05      |



|         |                          |         |
|---------|--------------------------|---------|
| 412218  | 1100100101000111010      | 64A3A   |
| 4901564 | 100101011001010111100    | 4ACAB8C |
| 5094606 | 1001101011110011001110   | 4D8CCE  |
| 8070285 | 11110110010010001001     | 7B248D  |
| 6847905 | 11010000111110110100001  | 687DA1  |
| 4311824 | 10000011100101100010000  | 41CB10  |
| 3009421 | 1011011110101110001101   | 2DEB8D  |
| 1629105 | 110001101101110110001    | 18DBB1  |
| 8431899 | 100000001010100100011011 | 80A91B  |
| 7582456 | 11100111011001011111000  | 73B2F8  |
| 7332147 | 11011111110000100110011  | 6FE133  |
| 314183  | 1001100101101000111      | 4CB47   |
| 7632568 | 11101000111011010111000  | 747688  |
| 8161327 | 11111001000100000101111  | 7C882F  |
| 6961087 | 11010100011011110111111  | 6A37BF  |
| 6898282 | 11010010100001001101010  | 69426A  |
| 9749303 | 100101001100001100110111 | 94C337  |
| 4427419 | 10000111000111010011011  | 438E9B  |
| 4368829 | 10000101010100110111101  | 42A9BD  |
| 6439318 | 11000100100000110010110  | 624196  |
| 6473603 | 11000101100011110000011  | 62C783  |
| 6446249 | 11000100101110010101001  | 625CA9  |
| 9818836 | 100101011101001011010100 | 95D2D4  |
| 9438069 | 100100000000001101110101 | 900375  |
| 2809499 | 1010101101111010011011   | 2ADE9B  |
| 3460304 | 1101001100110011010000   | 34CCD0  |
| 8430904 | 10000000101001100111000  | 80A538  |
| 9774785 | 100101010010011011000001 | 9526C1  |
| 9560603 | 100100011110001000011011 | 91E21B  |
| 3440732 | 1101001000000001011100   | 34805C  |
| 7053263 | 11010111001111111001111  | 6B9FCF  |
| 287398  | 1000110001010100110      | 462A6   |
| 4043644 | 1111011011001101111100   | 3DB37C  |
| 2943820 | 1011001110101101001100   | 2CEB4C  |
| 9030962 | 100010011100110100110010 | 89CD32  |
| 7537540 | 11100110000001110000100  | 730384  |
| 7203657 | 11011011110101101001001  | 6DEB49  |
| 5639400 | 10101100000110011101000  | 560CE8  |
| 9448142 | 10010000001010110011110  | 902ACE  |
| 9954392 | 100101111110010001011000 | 97E458  |
| 2856859 | 1010111001011110011011   | 2B979B  |
| 1332118 | 101000101001110010110    | 145396  |
| 6984725 | 11010101001010000010101  | 6A9415  |
| 1925762 | 111010110001010000010    | 1D6282  |
| 2138171 | 1000001010000000111011   | 20A03B  |
| 347447  | 1010100110100110111      | 54D37   |
| 8839390 | 100001101110000011011110 | 86E0DE  |
| 3951652 | 1111000100110000100100   | 3C4C24  |
| 3755102 | 1110010100110001011110   | 394C5E  |
| 6867687 | 11010001100101011100111  | 68CAE7  |
| 4383175 | 10000101110000111000111  | 42E1C7  |
| 7125508 | 1101100101110100000100   | 6CBA04  |
| 7798732 | 11101110000001110110100  | 7703B4  |
| 8784156 | 100001100000100100011100 | 86091C  |
| 1372809 | 101001111001010001001    | 14F789  |
| 1327984 | 101000100001101110000    | 144370  |
| 9205087 | 100011000111010101011111 | 8C755F  |
| 6524241 | 11000111000110101010001  | 638D51  |
| 9316072 | 100011100010011011101000 | 8E26E8  |
| 127744  | 11111001100000000        | 1F300   |
| 8388820 | 10000000000000001010100  | 8000D4  |
| 6883557 | 11010010000100011100101  | 6908E5  |
| 2291239 | 1000101111011000100111   | 22F627  |
| 3101270 | 1011110101001001010110   | 2F5256  |
| 1382825 | 101010001100110101001    | 1519A9  |
| 9873376 | 1001011010011111100000   | 96A7E0  |
| 6873500 | 11010001110000110011100  | 68E19C  |
| 8185634 | 11111001110011100100010  | 7CE722  |
| 2464786 | 1001011001110000010010   | 259C12  |
| 8387154 | 11111111111101001010010  | 7FFA52  |
| 5581444 | 10101010010101010000100  | 552A84  |
| 8097911 | 11110111001000001110111  | 7B9077  |
| 8882527 | 100001111000100101011111 | 87895F  |
| 8941444 | 100010000110111110000100 | 886F84  |
| 4942703 | 100101101010101011111    | 4B6B6F  |
| 101144  | 11000101100011000        | 18B18   |
| 7471180 | 11100100000000001001100  | 72004C  |
| 1932131 | 111010111101011100001    | 107B63  |
| 8052752 | 11110101110000000010000  | 7AE010  |
| 6359493 | 11000010000100111000101  | 6109C5  |
| 1967646 | 111100000011000011110    | 1E061E  |
| 6575952 | 11001000101001111001100  | 6453CC  |
| 232342  | 1000110111001110001110   | 23738E  |
| 6735760 | 11001101100011110010000  | 66C790  |
| 8895858 | 100001111011110101110010 | 87BD72  |
| 4238091 | 1000000101010100001011   | 40AB0B  |
| 7093069 | 11011000011101101001101  | 6C3B4D  |
| 39      | 100111                   | 27      |

Execution time: 0.00320 seconds

• (ml-models) rzagni@Shotokan A01795457\_A4.2 %

• (ml-models) rzagni@Shotokan A01795457\_A4.2 % python convertNumbers.py P2/TC3.txt

| Decimal | Binary  | Hexadecimal |
|---------|---------|-------------|
| -39     | -100111 | -27         |
| -36     | -100100 | -24         |
| 8       | 1000    | 8           |
| 34      | 100010  | 22          |
| 17      | 10001   | 11          |
| 49      | 110001  | 31          |
| 5       | 101     | 5           |
| 39      | 100111  | 27          |
| 0       | 0       | 0           |
| 33      | 100001  | 21          |
| 12      | 1100    | C           |
| -6      | -110    | -6          |
| 27      | 11011   | 1B          |
| -4      | -100    | -4          |
| -38     | -100110 | -26         |
| 26      | 11010   | 1A          |
| 49      | 110001  | 31          |
| 29      | 11101   | 1D          |
| 42      | 101010  | 2A          |
| -16     | -10000  | -10         |
| -28     | -11100  | -1C         |
| 34      | 100010  | 22          |
| 20      | 10100   | 14          |
| 0       | 0       | 0           |

|     |         |     |
|-----|---------|-----|
| 25  | 11001   | 19  |
| 45  | 101101  | 2D  |
| 3   | 11      | 3   |
| -46 | -101110 | -2E |
| -46 | -101110 | -2E |
| 29  | 11101   | 1D  |
| 33  | 100001  | 21  |
| 29  | 11101   | 1D  |
| 26  | 11010   | 1A  |
| -5  | -101    | -5  |
| -36 | -100100 | -24 |
| 12  | 1100    | C   |
| 45  | 101101  | 2D  |
| -50 | -110010 | -32 |
| 0   | 0       | 0   |
| -6  | -110    | -6  |
| -39 | -100111 | -27 |
| 35  | 100011  | 23  |
| 26  | 11010   | 1A  |
| -35 | -100011 | -23 |
| -42 | -101010 | -2A |
| 14  | 1110    | E   |
| -3  | -11     | -3  |
| 22  | 10110   | 16  |
| -47 | -101111 | -2F |
| 12  | 1100    | C   |
| -17 | -10001  | -11 |
| -31 | -11111  | -1F |
| -25 | -11001  | -19 |
| -35 | -100011 | -23 |
| -18 | -10010  | -12 |
| 14  | 1110    | E   |
| 37  | 100101  | 25  |
| -8  | -1000   | -8  |
| -41 | -101001 | -29 |
| -50 | -110010 | -32 |
| -9  | -1001   | -9  |
| 2   | 10      | 2   |
| 12  | 1100    | C   |
| -39 | -100111 | -27 |
| -17 | -10001  | -11 |
| 0   | 0       | 0   |
| 27  | 11011   | 1B  |
| 28  | 11100   | 1C  |
| 45  | 101101  | 2D  |
| -44 | -101100 | -2C |
| 28  | 11100   | 1C  |
| 35  | 100011  | 23  |
| -33 | -100001 | -21 |
| 43  | 101011  | 2B  |
| -4  | -100    | -4  |
| 23  | 10111   | 17  |
| -49 | -110001 | -31 |
| 49  | 110001  | 31  |
| -7  | -111    | -7  |
| -38 | -100110 | -26 |
| -45 | -101101 | -2D |
| 5   | 101     | 5   |
| -21 | -10101  | -15 |
| 26  | 11010   | 1A  |
| -2  | -10     | -2  |
| -24 | -11000  | -18 |
| 6   | 110     | 6   |
| -45 | -101101 | -2D |
| -4  | -100    | -4  |
| 15  | 1111    | F   |
| a   | a       | a   |
| -35 | -100011 | -23 |
| -8  | -1000   | -8  |
| 28  | 11100   | 1C  |
| 47  | 101111  | 2F  |
| 34  | 100010  | 22  |
| -24 | -11000  | -18 |
| -42 | -101010 | -2A |
| -13 | -1101   | -D  |
| 14  | 1110    | E   |
| -45 | -101101 | -2D |
| -35 | -100011 | -23 |
| 27  | 11011   | 1B  |
| -12 | -1100   | -C  |
| -19 | -10011  | -13 |
| -20 | -10100  | -14 |
| -14 | -1110   | -E  |
| 20  | 10100   | 14  |
| 30  | 11110   | 1E  |
| 12  | 1100    | C   |
| -36 | -100100 | -24 |
| -47 | -101111 | -2F |
| -27 | -11011  | -1B |
| -3  | -11     | -3  |
| 6   | 110     | 6   |
| 36  | 100100  | 24  |
| 9   | 1001    | 9   |
| -16 | -10000  | -10 |
| 36  | 100100  | 24  |
| -27 | -11011  | -1B |
| 7   | 111     | 7   |
| -6  | -110    | -6  |
| -5  | -101    | -5  |
| 5   | 101     | 5   |
| 47  | 101111  | 2F  |
| 23  | 10111   | 17  |
| -48 | -110000 | -30 |
| -24 | -11000  | -18 |
| 40  | 101000  | 28  |
| -4  | -100    | -4  |
| -18 | -10010  | -12 |
| -19 | -10011  | -13 |
| 14  | 1110    | E   |
| 15  | 1111    | F   |



```
1      1      1
24     11000   18
-9     -1001   -9
-50    -110010 -32
18     10010   12
15     1111    F
30     11110   1E
44     101100  2C
9      1001    9
19     10011   13
33     100001  21
41     101001  29
-24    -11000  -18
43     101011  2B
48     110000  30
-23    -10111  -17
7      111     7
28     11100   1C
8      1000    8
-2     -10     -2
37     100101  25
42     101010  2A
-17    -10001  -11
-6     -110    -6
36     100100  24
22     10110   16
27     11011   1B
31     11111   1F
-47    -101111 -2F
-43    -101011 -2B
0      0       0
27     11011   1B
30     11110   1E
12     1100    C
-15    -1111   -F
-19    -10011  -13
-42    -101010 -2A
-37    -100101 -25
31     11111   1F
-10    -1010   -A
18     10010   12
33     100001  21
-15    -1111   -F
17     10001   11
25     11001   19
-25    -11001  -19
-5     -101    -5
33     100001  21
-13    -1101   -D
33     100001  21
-10    -1010   -A
47     101111  2F
47     101111  2F
-13    -1101   -D
-32    -100000 -20
1      1       1
1      1       1
-25    -11001  -19
-33    -100001 -21
16     10000   10
17     10001   11
4      100     4

Execution time: 0.00403 seconds

o (ml-models) rzagni@Shotokan A01795457_A4.2 %
• (ml-models) rzagni@Shotokan A01795457_A4.2 % python convertNumbers.py P2/TC4.txt
Line 8 is not a valid number: ABC
Line 21 is not a valid number: ERR
Line 41 is not a valid number: VAL
    Decimal      Binary      Hexadecimal
-----
-39      -100111      -27
-36      -100100      -24
8         1000        8
34        100010      22
17        10001       11
49        110001      31
5         101        5
0         0         0
33        100001      21
12        1100       C
-6        -110       -6
27        11011      1B
-4        -100       -4
-38       -100110     -26
26        11010      1A
49        110001      31
29        11101      1D
42        101010      2A
-16       -10000      -10
34        100010      22
20        10100      14
0         0         0
25        11001      19
45        101101     2D
3         11         3
-46       -101110     -2E
-46       -101110     -2E
29        11101      1D
33        100001      21
29        11101      1D
26        11010      1A
-5        -101       -5
-36       -100100     -24
12        1100       C
45        101101     2D
-50       -110010     -32
0         0         0
-6        -110       -6

Execution time: 0.00113 seconds

o (ml-models) rzagni@Shotokan A01795457_A4.2 %
```

### 3 Count Words

Debido al alto numero de palabras en los archivos de pruebas, específicamente en TC3.txt, TC4.txt y TC5.txt las capturas de pantalla para demostrar su ejecución se limitaran a no mas de dos paginas de este documento mostrando únicamente el inicio y el final de la ejecución.

```
• (ml-models) rzagni@Shotokan A01795457_A4.2 % ls
ConversionResults.txt  P2      StatisticsResults.txt  convertNumbers.py
P1                    P3      _ computeStatistics.py  wordCount.py
• (ml-models) rzagni@Shotokan A01795457_A4.2 % pylint wordCount.py

Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
○ (ml-models) rzagni@Shotokan A01795457_A4.2 % █

• (ml-models) rzagni@Shotokan A01795457_A4.2 % python wordCount.py P3/TC1.txt
-----
Word      Frequency
-----
conservative 2
mother       1
tions       1
pin         1
sure        1
regulatory  1
shower      1
uni         1
dial        1
photography 1
buying      1
firms       1
nba         1
father      1
championship 1
vagina      1
fonts       1
sparc       1
explorer    1
rl          1
shadow      1
danish      1
seed        1
hiking      1
instrumentation 1
introduces  1
kinda       1
nor         1
newer       1
peter       1
contamination 1
matters     1
bedding     1
achievement 1
password    1
webcast     1
locks       1
cove        1
taxes       1
could       1
pct         1
adequate    1
nightmare   1
marathon    1
permission  1
cartridge   1
clear       1
drum        1
trained     1
p           1
manufacturer 1
leisure     1
media       1
journey     1
anal        1
teaches     1
customized  1
oakland     1
louis       1
tab         1
consistent  1
enhanced    1
liable      1
ebony       1
wan         1
pubmed      1
math        1
tea         1
craps       1
gothic      1
permissions 1
recorded    1
cgi         1
confirm     1
```

```

hyundai 1
.
doc 1
removal 1
guidance 1
soon 1
cornwall 1
environmental 1
contracting 1
cameron 1
finger 1
unlikely 1
kuwait 1
complicated 1
philip 1
helena 1
broker 1
bestiality 1
developers 1
org 1
argued 1
prime 1
geography 1
dns 1
aside 1
growing 1
metropolitan 1
interactions 1
beverly 1
purse 1
cycling 1
pirates 1
recipients 1
kingdom 1
wal 1
reply 1
examples 1
strengthening 1
providing 1
victory 1
commented 1
used 1
debian 1
salaries 1
buildings 1
utils 1
pmc 1
manually 1
purchases 1
insert 1
improving 1
devil 1
dodge 1
cables 1
std 1
create 1
nipples 1
jane 1
holmes 1
tea 1
butler 1
motels 1
newfoundland 1
cutting 1
clocks 1
infrared 1
cowboy 1
hormone 1
windsor 1
census 1
uc 1
declined 1
index 1
equipped 1
src 1
gradually 1
placing 1
Execution time: 0.00572 seconds
o (ml-models) rzagni@Shotokan A01795457_A4.2 %
nup 1
italy 1
objects 1
resort 1
priced 1
southampton 1
munich 1
sorry 1
delays 1
man 1
croatia 1
vice 1
opens 1
blowjob 1
galleries 1
weight 1
jeff 1
boots 1
clan 1
compatibility 1
purposes 1
prof 1
come 1
jose 1
turkish 1
classes 1
vessels 1

```

```
vessels 1
answering 1
sweden 1
hampshire 1
j 1
responsibilities 1
magazines 1
rio 1
amounts 1
instantly 1
fill 1
str 1
naturals 1
automation 1
apache 1
rule 1
goals 1
outlook 1
afternoon 1
odd 1
genome 1
protest 1
catalog 1
creates 1
bases 1
prominent 1
consisting 1
minneapolis 1
night 1
tiger 1
unity 1
disposal 1
cannon 1
ou 1
hall 1
atomic 1
chosen 1
violence 1
sectors 1
ignored 1
cheese 1
frozen 1
corp 1
undo 1
tba 1
way 1
filter 1
win 1
attending 1
returned 1
anchor 1
sides 1
defence 1
biz 1
form 1
feeding 1
rentals 1
practical 1
steve 1
serious 1
mens 1
faculty 1
initiative 1
variety 1
ion 1
interface 1
remained 1
icons 1
excessive 1
jon 1

Execution time: 0.00398 seconds

(ml-models) rzagni@Shotokan A01795457_A4.2 %
(ml-models) rzagni@Shotokan A01795457_A4.2 % python wordCount.py P3/TC3.txt
Word Frequency
-----
notice 3
flood 2
pottery 2
charity 2
suggestion 2
pairs 2
blues 2
pipe 2
thumb 2
reveals 2
copy 2
hurt 2
neighbors 1
manual 1
political 1
mozambique 1
old 1
holding 1
fc 1
ford 1
comparable 1
industries 1
antiques 1
waste 1
voice 1
blond 1
z 1
enables 1
feels 1
validity 1
midnight 1
matters 1
mortgage 1
daughters 1
diana 1
```

```

doc 1
removal 1
guidance 1
soon 1
cornwall 1
environmental 1
contracting 1
cameron 1
finger 1
unlikely 1
kuwait 1
complicated 1
philip 1
helena 1
broker 1
bestiality 1
developers 1
org 1
argued 1
prime 1
geography 1
dns 1
aside 1
growing 1
metropolitan 1
interactions 1
beverly 1
purse 1
cycling 1
pirates 1
recipients 1
kingdom 1
wal 1
reply 1
examples 1
strengthening 1
providing 1
victory 1
commented 1
used 1
debian 1
salaries 1
buildings 1
utils 1
pmc 1
manually 1
purchases 1
insert 1
improving 1
devil 1
dodge 1
cables 1
std 1
create 1
nipples 1
jane 1
holmes 1
tea 1
butler 1
motels 1
newfoundland 1
cutting 1
clocks 1
infrared 1
cowboy 1
hormone 1
windsor 1
census 1
uc 1
declined 1
index 1
equipped 1
src 1
gradually 1
placing 1

```

Execution time: 0.00404 seconds

o (ml-models) rzagni@Shotokan A01795457\_A4.2 %

• (ml-models) rzagni@Shotokan A01795457\_A4.2 % python wordCount.py P3/TC4.txt

| Word         | Frequency |
|--------------|-----------|
| started      | 3         |
| literally    | 2         |
| ringtone     | 2         |
| za           | 2         |
| reached      | 2         |
| crazy        | 2         |
| javascript   | 2         |
| annual       | 2         |
| shown        | 2         |
| supplier     | 2         |
| physical     | 2         |
| data         | 2         |
| fought       | 2         |
| dramatically | 2         |
| maiden       | 2         |
| contains     | 2         |
| panels       | 2         |
| racial       | 2         |
| charts       | 2         |
| navy         | 2         |
| tired        | 2         |
| farm         | 2         |
| detroit      | 2         |
| plays        | 2         |
| clients      | 2         |
| castle       | 2         |
| onion        | 2         |
| book         | 2         |
| diamonds     | 2         |
| benchmark    | 2         |
| salt         | 2         |
| sparc        | 2         |
| morocco      | 2         |
| metallic     | 2         |

|             |   |
|-------------|---|
| native      | 1 |
| or          | 1 |
| toe         | 1 |
| programme   | 1 |
| stage       | 1 |
| tiger       | 1 |
| effects     | 1 |
| items       | 1 |
| corporate   | 1 |
| improvement | 1 |
| stan        | 1 |
| durable     | 1 |
| controller  | 1 |
| stewart     | 1 |
| sr          | 1 |
| sculpture   | 1 |
| murder      | 1 |
| wedding     | 1 |
| gathered    | 1 |
| pas         | 1 |
| placing     | 1 |
| defense     | 1 |
| strict      | 1 |
| bowling     | 1 |
| imperial    | 1 |
| unlock      | 1 |
| resolved    | 1 |
| lately      | 1 |
| protocols   | 1 |
| direction   | 1 |
| voyuer      | 1 |
| regard      | 1 |
| foods       | 1 |
| ft          | 1 |
| dating      | 1 |
| building    | 1 |
| estonia     | 1 |
| performs    | 1 |
| equilibrium | 1 |
| sen         | 1 |
| tahoe       | 1 |
| disclose    | 1 |
| slip        | 1 |
| midlands    | 1 |
| shemales    | 1 |
| walking     | 1 |
| racks       | 1 |
| innocent    | 1 |
| campaigns   | 1 |
| christina   | 1 |
| bulletin    | 1 |
| synthesis   | 1 |
| so          | 1 |
| commerce    | 1 |
| offensive   | 1 |
| updating    | 1 |
| interaction | 1 |
| received    | 1 |
| ma          | 1 |
| hdtv        | 1 |
| rates       | 1 |
| powerful    | 1 |
| was         | 1 |
| computing   | 1 |
| cells       | 1 |
| contained   | 1 |
| replaced    | 1 |
| calling     | 1 |
| mailman     | 1 |
| extent      | 1 |
| corpus      | 1 |
| sv          | 1 |
| wishlist    | 1 |
| expired     | 1 |
| circular    | 1 |

Execution time: 0.00560 seconds

o (ml-models) rzagni@Shotokan A01795457\_A4.2 %

o (ml-models) rzagni@Shotokan A01795457\_A4.2 % python wordCount.py P3/TC5.txt | more

| Word         | Frequency |
|--------------|-----------|
| wilderness   | 5         |
| managed      | 5         |
| schools      | 5         |
| pets         | 5         |
| kg           | 5         |
| gps          | 4         |
| keeping      | 4         |
| travelling   | 4         |
| threats      | 4         |
| passion      | 4         |
| opens        | 4         |
| products     | 4         |
| webcams      | 4         |
| terrorist    | 4         |
| published    | 4         |
| petersburg   | 4         |
| manufactured | 4         |
| suggestions  | 4         |
| margaret     | 4         |
| explain      | 4         |
| recommends   | 4         |
| worldcat     | 4         |
| wrap         | 4         |
| employers    | 4         |
| useful       | 4         |
| nb           | 4         |
| qualities    | 4         |
| sentences    | 4         |
| seasons      | 4         |
| loud         | 4         |

```
packets 1
or 1
ultra 1
promoted 1
oxygen 1
yugoslavia 1
solving 1
womens 1
toll 1
treat 1
tropical 1
orgasm 1
wall 1
titles 1
white 1
remains 1
vertex 1
suites 1
manor 1
surgical 1
mozilla 1
replaced 1
tennis 1
suddenly 1
shortcuts 1
lucia 1
occasions 1
sexual 1
refers 1
mississippi 1
state 1
lenses 1
sig 1
quoted 1
words 1
trash 1
seq 1
oriental 1
veterinary 1
scientific 1
stadium 1
stability 1
specialty 1
minneapolis 1
msn 1
reception 1
recipe 1
spectacular 1
regulated 1
richards 1
moved 1
minute 1
peak 1
mods 1
philosophy 1
lc 1
throw 1
lifestyle 1
whats 1
microsoft 1
tom 1
proc 1
nano 1
letters 1
sri 1
tests 1
proceeds 1
seo 1
pounds 1
suggesting 1
texas 1
postposted 1
realty 1
vaccine 1
relocation 1
```

Execution time: 53.96907 seconds

o (ml-models) rzagni@Shotokan A01795457\_A4.2 %

```
• (ml-models) rzagni@Shotokan A01795457_A4.2 % ll
total 552
drwxr-xr-x@ 7 rzagni staff 224 Jan 29 08:49 P2
drwxr-xr-x@ 11 rzagni staff 352 Jan 29 08:50 P1
-rw-r--r--@ 1 rzagni staff 5704 Feb 2 16:04 convertNumbers.py
-rw-r--r--@ 1 rzagni staff 4328 Feb 2 16:05 wordCount.py
-rw-r--r--@ 1 rzagni staff 6165 Feb 2 16:11 computeStatistics.py
-rw-r--r--@ 1 rzagni staff 939 Feb 2 17:22 StatisticsResults.txt
-rw-r--r--@ 1 rzagni staff 40184 Feb 2 17:41 ConversionResults.txt
drwxr-xr-x@ 13 rzagni staff 416 Feb 2 18:26 P3
-rw-r--r--@ 1 rzagni staff 212286 Feb 2 18:55 WordCountResults.txt
o (ml-models) rzagni@Shotokan A01795457_A4.2 %
```