

## Problema 1.

```
D:\Documentos\Github\TC4017\A01745524_A42\P1>D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe -m pylint compute_statistics.py
```

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

```
D:\Documentos\Github\TC4017\A01745524_A42\P1>|
```

```
PS D:\Documentos\Github\TC4017\A01745524_A42\P1> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\compute_statistics.py "D:\Documentos\Github\TC4017\A01745524_A42\P1\TC1.txt"  
Invalid data found: 405s  
Correcting with: 405  
MEAN: 242.32  
MEDIAN: 239.5  
MODE: 393  
STANDARD DEVIATION: 145.25810683056554  
VARIANCE: 21152.799598997488  
EXECUTION TIME: 0.007075299974530935 s
```

```
PS D:\Documentos\Github\TC4017\A01745524_A42\P1> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\compute_statistics.py "D:\Documentos\Github\TC4017\A01745524_A42\P1\TC2.txt"  
MEAN: 250.7840161861406  
MEDIAN: 247  
MODE: 230  
STANDARD DEVIATION: 144.17131868884059  
VARIANCE: 20795.888043983523  
EXECUTION TIME: 0.18045120011083782 s  
PS D:\Documentos\Github\TC4017\A01745524_A42\P1> |
```

```
PS D:\Documentos\Github\TC4017\A01745524_A42\P1> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\compute_statistics.py "D:\Documentos\Github\TC4017\A01745524_A42\P1\TC3.txt"  
MEAN: 249.77621989860583  
MEDIAN: 249.0  
MODE: 94.0  
STANDARD DEVIATION: 145.31784980917976  
VARIANCE: 21118.950393821902  
EXECUTION TIME: 7.330580700188875 s
```

```
PS D:\Documentos\Github\TC4017\A01745524_A42\P1> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\compute_statistics.py "D:\Documentos\Github\TC4017\A01745524_A42\P1\TC4.txt"  
MEAN: 149.00267347908746  
MEDIAN: 147.75  
MODE: 123.75  
STANDARD DEVIATION: 130.41441961308877  
VARIANCE: 17009.268218511388  
EXECUTION TIME: 7.31639469997026 s  
PS D:\Documentos\Github\TC4017\A01745524_A42\P1> |
```

```
PS D:\Documentos\Github\TC4017\A01745524_A42\P1> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\compute_statistics.py "D:\Documentos\Github\TC4017\A01745524_A42\P1\TC5.txt"  
Invalid data found: ABA  
Correcting with:  
Cannot correct: ABA  
Invalid data found: 23,45  
Correcting with: 2345  
Invalid data found: 11;54  
Correcting with: 1154  
Invalid data found: ll  
Correcting with:  
Cannot correct: ll  
MEAN: 251.25566343042073  
MEDIAN: 246.0  
MODE: 466.0  
STANDARD DEVIATION: 194.78713634976782  
VARIANCE: 38065.21689152272  
EXECUTION TIME: 0.003815599950030446 s  
PS D:\Documentos\Github\TC4017\A01745524_A42\P1> |
```

```

PS D:\Documentos\Github\TC4017\A01745524_A42\P1> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\compute_statistics.py "D:\Documentos\Github\TC4017\A01745524_A42\P1\TC6.txt"
MEAN: 1.879065992797743e+20
MEDIAN: 1.88008049965543e+20
MODE: 3.74846462174395e+20
STANDARD DEVIATION: 1.0738205017381005e+20
VARIANCE: 1.1534749616069348e+40
EXECUTION TIME: 0.43316180002875626 s
PS D:\Documentos\Github\TC4017\A01745524_A42\P1> |

PS D:\Documentos\Github\TC4017\A01745524_A42\P1> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\compute_statistics.py "D:\Documentos\Github\TC4017\A01745524_A42\P1\TC7.txt"
Invalid data found: ABBA
Correcting with:
Cannot correct: ABBA
Invalid data found: ERROR
Correcting with:
Cannot correct: ERROR
MEAN: 2.4746739549971625e+20
MEDIAN: 2.4664097307429e+20
MODE: 4.99994082497151e+20
STANDARD DEVIATION: 1.4460564700984703e+20
VARIANCE: 2.091243115380632e+40
EXECUTION TIME: 7.49886369984597 s
PS D:\Documentos\Github\TC4017\A01745524_A42\P1> |

```

## Problema 2.

```

D:\Documentos\Github\TC4017\A01745524_A42\P2>D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe -m pylint convert_numbers.py

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

D:\Documentos\Github\TC4017\A01745524_A42\P2>|

PS D:\Documentos\Github\TC4017\A01745524_A42\P2> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\convert_numbers.py "D:\Documentos\Github\TC4017\A01745524_A42\P2\TC1.txt"
DECIMAL, BIN, HEX

6980368, 10000, 6A8310

5517055, 11111111, 542EFF

1336159, 1011111, 14635F

6750185, 11101001, 66FFE9

1771937, 10100001, 1B09A1

360952, 11111000, 581F8

5672561, 1110001, 568E71

916583, 1100111, DFC67

2700138, 1101010, 29336A

9645053, 11111101, 932BFD

```

```

PS D:\Documentos\Github\TC4017\A01745524_A42\P2> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\convert_numbe
rs.py "D:\Documentos\Github\TC4017\A01745524_A42\P2\TC2.txt"
DECIMAL, BIN, HEX

7116776, 11101000, 6C97E8
1666340, 100100, 196D24
8886983, 11000111, 879AC7
839365, 11000101, CCEC5
924280, 1111000, E1A78
1026310, 110, FA906
1615293, 10111101, 18A5BD
1063875, 11000011, 103BC3
679035, 1111011, A5C7B
5201970, 110010, 4F6032
593979, 111011, 9103B
801371, 1011011, C3A5B
3796878, 10001110, 39EF8E

```

```

PS D:\Documentos\Github\TC4017\A01745524_A42\P2> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\convert_numbe
rs.py "D:\Documentos\Github\TC4017\A01745524_A42\P2\TC3.txt"
DECIMAL, BIN, HEX

-39, 11011001, FFFFFFFD9
-36, 11011100, FFFFFFFDC
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, 11111010, FFFFFFFFA

```

```

PS D:\Documentos\Github\TC4017\A01745524_A42\P2> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\convert_numbe
rs.py "D:\Documentos\Github\TC4017\A01745524_A42\P2\TC4.txt"
Invalid data found: ABC
Correcting with:
Cannot correct: ABC
Invalid data found: ERR
Correcting with:
Cannot correct: ERR
Invalid data found: VAL
Correcting with:
Cannot correct: VAL
DECIMAL, BIN, HEX

-39, 11011001, FFFFFFFD9
-36, 11011100, FFFFFFFDC
8, 1000, 8
34, 100010, 22
17, 10001, 11
49, 110001, 31
5, 101, 5

```

### Problema 3.

```
D:\Documentos\Github\TC4017\A01745524_A42\P3>D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe -m pylint word_count.py
```

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

```
D:\Documentos\Github\TC4017\A01745524_A42\P3>|
```

```
PS D:\Documentos\Github\TC4017\A01745524_A42\P3> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\word_count.py  
"D:\Documentos\Github\TC4017\A01745524_A42\P3\TC1.txt"
```

```
mother 1
```

```
tions 1
```

```
pin 1
```

```
sure 1
```

```
regulatory 1
```

```
shower 1
```

```
uni 1
```

```
dial 1
```

```
photography 1
```

```
buying 1
```

```
firms 1
```

```
nba 1
```

```
EXECUTION TIME: 0.00017179991118609905 s
```

```
PS D:\Documentos\Github\TC4017\A01745524_A42\P3> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\word_count.py  
"D:\Documentos\Github\TC4017\A01745524_A42\P3\TC2.txt"
```

```
conduct 1
```

```
kuwait 1
```

```
literacy 1
```

```
table 1
```

```
parent 1
```

```
olympic 1
```

```
ht 1
```

```
algebra 1
```

```
PS D:\Documentos\Github\TC4017\A01745524_A42\P3> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\word_count.py  
"D:\Documentos\Github\TC4017\A01745524_A42\P3\TC3.txt"
```

```
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
```

```
PS D:\Documentos\Github\TC4017\A01745524_A42\P3> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\word_count.py
"D:\Documentos\Github\TC4017\A01745524_A42\P3\TC4.txt"
disciplinary 1

continues 1

literally 2

ringtone 2

parameter 1

shift 1

enhancement 1

man 1

za 2

starring 1

cashiers 1

maria 1

began 1

incredible 1
```

```
PS D:\Documentos\Github\TC4017\A01745524_A42\P3> D:\Documentos\Github\TC4017\ColabEnv\Scripts\python.exe .\word_count.py
"D:\Documentos\Github\TC4017\A01745524_A42\P3\TC5.txt"
loaded 2

wilderness 5

specify 2

cole 1

telecom 1

earliest 2

uniprotkb 1

retailer 3

acquired 1

reasoning 2

breathing 1

ozone 3

hz 1

consequences 1
```