



Tecnológico de Monterrey

ACTIVIDAD SEMANA 5

ACTIVIDAD 5.3: Ejercicio de programación 2

MATERIA: PRUEBAS DE SOFTWARE Y ASEGURAMIENTO DE LA CALIDAD

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FECHA: 11/02/2024

CDMX



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Pylint.

- └─(noblek3n8Ⓚnoble)-[~/Desktop/python]

```
***** Module computeSales
```

computeSales.py:76:0: C0301: Line too long (117/100) (line-too-long)

computeSales.py:1:0: C0114: Missing module docstring (missing-module-docstring)

computeSales.py:5:0: C0116: Missing function or method docstring (missing-function-docstring)

computeSales.py:17:0: C0116: Missing function or method docstring (missing-function-docstring)

computeSales.py:68:9: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)

The screenshot shows a PyLint application window titled "noblek3n8@noble: ~/Desktop/python". The menu bar includes File, Actions, Edit View, and Help. The main area displays the output of a pylint command run on "computeSales.py".

```
noblek3n8@noble: ~/Desktop/python
File Actions Edit View Help
└─(noblek3n8@noble) [~/Desktop/python]
$ pylint computeSales.py
***** Module computeSales
computeSales.py:74:0: C0301: Line too long (114/100) (line-too-long)
computeSales.py:76:0: C0301: Line too long (117/100) (line-too-long)
computeSales.py:82:0: C0305: Trailing newlines (trailing-newlines)
computeSales.py:1:0: C0114: Missing module docstring (missing-module-docstring)
computeSales.py:1:0: C0109: Module name "computeSales" doesn't conform to snake_case naming style (invalid-name)
computeSales.py:5:0: C0116: Missing function or method docstring (missing-function-docstring)
computeSales.py:7:13: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
computeSales.py:17:0: C0116: Missing function or method docstring (missing-function-docstring)
computeSales.py:35:0: C0116: Missing function or method docstring (missing-function-docstring)
computeSales.py:68:9: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
computeSales.py:69:16: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
```

At the bottom, a status bar indicates "Your code has been rated at 8.46/10" and "explicitly specifying an encoding".

- ```
└─(noblek3n8Ⓚnoble)-[~/Desktop/python]
```

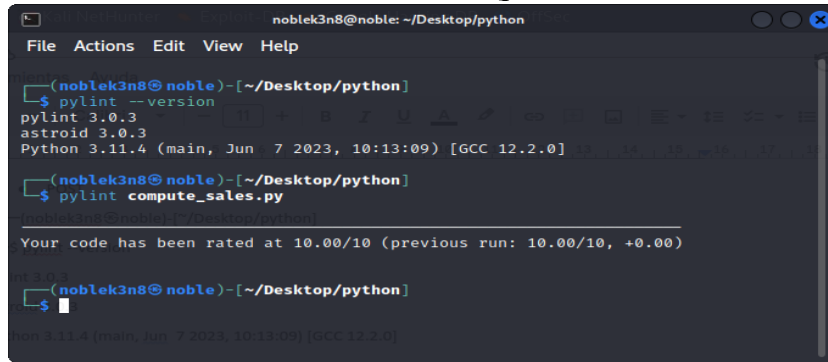
pylint 3.0.3

Python 3.11.4 (main, Jun 7 2023, 10:13:09) [GCC 12.2.0]

└─(noblek3n8@noble)-[~/Desktop/python]

```
└─$ pylint compute sales.py
```

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



```
noblek3n8@noble: ~/Desktop/python
File Actions Edit View Help

(noblek3n8@noble)-[~/Desktop/python]
$ pylint --version
pylint 3.0.3
astroid 3.0.3
Python 3.11.4 (main, Jun 7 2023, 10:13:09) [GCC 12.2.0]

(noblek3n8@noble)-[~/Desktop/python]
$ pylint compute_sales.py

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

(noblek3n8@noble)-[~/Desktop/python]
$
```

## Flake8

- PRE

```
(noblek3n8@noble)-[~/Desktop/python]
```

```
$ flake8 computeSales.py
```

```
computeSales.py:5:1: E302 expected 2 blank lines, found 1
```

```
computeSales.py:17:1: E302 expected 2 blank lines, found 1
```

```
computeSales.py:24:80: E501 line too long (85 > 79 characters)
```

```
computeSales.py:29:80: E501 line too long (81 > 79 characters)
```

```
computeSales.py:31:80: E501 line too long (84 > 79 characters)
```

```
computeSales.py:35:1: E302 expected 2 blank lines, found 1
```

```
computeSales.py:37:80: E501 line too long (83 > 79 characters)
```

```
computeSales.py:56:80: E501 line too long (80 > 79 characters)
```

```
computeSales.py:57:80: E501 line too long (81 > 79 characters)
```

```
computeSales.py:61:80: E501 line too long (95 > 79 characters)
```

```
computeSales.py:63:80: E501 line too long (95 > 79 characters)
```

```
computeSales.py:69:80: E501 line too long (99 > 79 characters)
```

```
computeSales.py:70:80: E501 line too long (100 > 79 characters)
```

```
computeSales.py:71:80: E501 line too long (98 > 79 characters)
```

```
computeSales.py:74:80: E501 line too long (114 > 79 characters)
```

```
computeSales.py:75:80: E501 line too long (98 > 79 characters)
```

```
computeSales.py:76:80: E501 line too long (117 > 79 characters)
```

```
computeSales.py:77:80: E501 line too long (96 > 79 characters)
```

```
computeSales.py:80:1: E305 expected 2 blank lines after class or function definition, found 1
```

```
computeSales.py:82:1: W391 blank line at end of file
```

```
noblek3n8@noble: ~/Desktop/python
File Actions Edit View Help

(noblek3n8@noble)~/Desktop/python
$ flake8 computeSales.py
computeSales.py:5:1: E302 expected 2 blank lines, found 1
computeSales.py:17:1: E302 expected 2 blank lines, found 1
computeSales.py:24:80: E501 line too long (85 > 79 characters)
computeSales.py:29:80: E501 line too long (81 > 79 characters)
computeSales.py:31:80: E501 line too long (84 > 79 characters)
computeSales.py:35:1: E302 expected 2 blank lines, found 1
computeSales.py:37:80: E501 line too long (83 > 79 characters)
computeSales.py:56:80: E501 line too long (80 > 79 characters)
computeSales.py:57:80: E501 line too long (81 > 79 characters)
computeSales.py:61:80: E501 line too long (95 > 79 characters)
computeSales.py:63:80: E501 line too long (95 > 79 characters)
computeSales.py:69:80: E501 line too long (99 > 79 characters)
computeSales.py:70:80: E501 line too long (100 > 79 characters)
computeSales.py:71:80: E501 line too long (98 > 79 characters)
computeSales.py:74:80: E501 line too long (114 > 79 characters)
computeSales.py:75:80: E501 line too long (98 > 79 characters)
computeSales.py:76:80: E501 line too long (117 > 79 characters)
computeSales.py:77:80: E501 line too long (96 > 79 characters)
computeSales.py:80:1: E305 expected 2 blank lines after class or function definition, found 1
computeSales.py:82:1: W391 blank line at end of file

(noblek3n8@noble)~/Desktop/python
$
```

- POST

└─(noblek3n8@noble)~/Desktop/python

└─\$ flake8 compute\_sales.py

└─(noblek3n8@noble)~/Desktop/python

└─\$

```
noblek3n8@noble: ~/Desktop/python
File Actions Edit View Help

(noblek3n8@noble)~/Desktop/python
$ flake8 compute_sales.py

(noblek3n8@noble)~/Desktop/python
$
```

Outputs

TC1

```

57 total_cost = 0
58 items_list = []
59
60 for sale in sales_record:
61 prod = sale.get("Product")
62 sold = sale.get("Quantity")
63 if sold > 0:
64 match_products = [p for p in p_catalogue if p.get("title") == prod]
65 if match_products:
66 price_per_unit = match_products[0].get("price")

```

| Product                        | Quantity | Unit Price | Subtotal       |
|--------------------------------|----------|------------|----------------|
| Smoothie with chia seeds       | 2        | 25.20      | 50.40          |
| Corn                           | 10       | 13.55      | 135.50         |
| Rustic breakfast               | 2        | 21.32      | 42.64          |
| Sandwich with salad            | 3        | 22.48      | 67.44          |
| Raw legums                     | 20       | 17.11      | 342.20         |
| Fresh stadberry                | 4        | 28.59      | 114.36         |
| Pears juice                    | 1        | 19.40      | 19.40          |
| Green smoothie                 | 8        | 17.68      | 141.44         |
| Cuban sandiche                 | 9        | 18.50      | 166.50         |
| Hazelnut in black ceramic bowl | 2        | 27.35      | 54.70          |
| Tomatoes                       | 1        | 26.83      | 26.83          |
| Plums                          | 2        | 19.18      | 38.36          |
| Fresh blueberries              | 3        | 21.01      | 63.03          |
| Green smoothie                 | 5        | 17.68      | 88.40          |
| Corn                           | 4        | 13.55      | 54.20          |
| <b>Total:</b>                  |          |            | <b>2481.86</b> |

Time elapsed: 0.000992122658140484 seconds  
PS C:\Users\Satellite\Desktop\dwhe\_sales>

TC2

```

57 total_cost = 0
58 items_list = []
59
60 for sale in sales_record:
61 prod = sale.get("Product")
62 sold = sale.get("Quantity")
63 if sold > 0:
64 match_products = [p for p in p_catalogue if p.get("title") == prod]
65 if match_products:
66 price_per_unit = match_products[0].get("price")

```

PS C:\Users\Satellite\Desktop\dwhe\_sales> python compute\_sales.py TC2.ProductList.json TC2.Sales.json

'fresh blueberries' cannot be sold -35 times.  
'Green smoothie' cannot be sold -123 times.

```

*****Invoice*****
Product Quantity Unit Price Subtotal

Rustic breakfast 200 21.32 4264.00
Sandwich with salad 23 22.48 517.04
Raw legums 11 17.11 188.21
Fresh stadberry 221 28.59 6318.39
Pears juice 1 19.40 19.40
Green smoothie 400 17.68 7072.00
Cuban sandiche 2 18.50 37.00
Hazelnut in black ceramic bowl 2 27.35 54.70
Tomatoes 1 26.83 26.83

```

TC3

```

1 """Modulos estandar para ejecucion de programa calculo de ventas"""
2 import json
3 import sys
4 import time
5
6
7 def load_json_file(filename):
8 """Funcion para leer archivo JSON"""
9
10 try:
11 with open(filename, "r", encoding="utf-8") as file:

```

PS C:\Users\Satellite\Desktop\dwhe\_sales> python compute\_sales.py TC3.ProductList.json TC3.Sales.json

Product 'Elotes' not found in the price catalogue.  
'fresh blueberries' cannot be sold -35 times.  
Product 'Frijoles' not found in the price catalogue.  
'Green smoothie' cannot be sold -123 times.

```

*****Invoice*****
Product Quantity Unit Price Subtotal

Rustic breakfast 200 21.32 4264.00
Sandwich with salad 23 22.48 517.04
Raw legums 11 17.11 188.21
Fresh stadberry 221 28.59 6318.39
Pears juice 1 19.40 19.40
Green smoothie 400 17.68 7072.00
Cuban sandiche 2 18.50 37.00
Hazelnut in black ceramic bowl 2 27.35 54.70
Tomatoes 1 26.83 26.83

```