

Actividad 5.2

Documentación de Ejercicios

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El presente trabajo ha sido realizado cumpliendo las políticas del curso y con los criterios de evaluación de la actividad. Asimismo, establezco que el contenido de este trabajo ha sido documentado en fuentes bibliográficas autorizadas, por tanto, la información redactada no ha sido plagiada de otro documento o trabajo ajeno ni de cualquier otra fuente de carácter confidencial.

Exercise #1: Compute sales

☒ Req1. The program shall be invoked from a command line. The program shall receive two files as parameters. The first file will contain information in a JSON format about a catalogue of prices of products. The second file will contain a record for all sales in a company.

☒ Req 2. The program shall compute the total cost for all sales included in the second JSON archive. The results shall be print on a screen and on a file named SalesResults.txt. The total cost should include all items in the sale considering the cost for every item in the first file. The output must be human readable, so make it easy to read for the user.

☒ Req 3. The program shall include the mechanism to handle invalid data in the file. Errors should be displayed in the console and the execution must continue.

☒ Req 4. The name of the program shall be computeSales.py

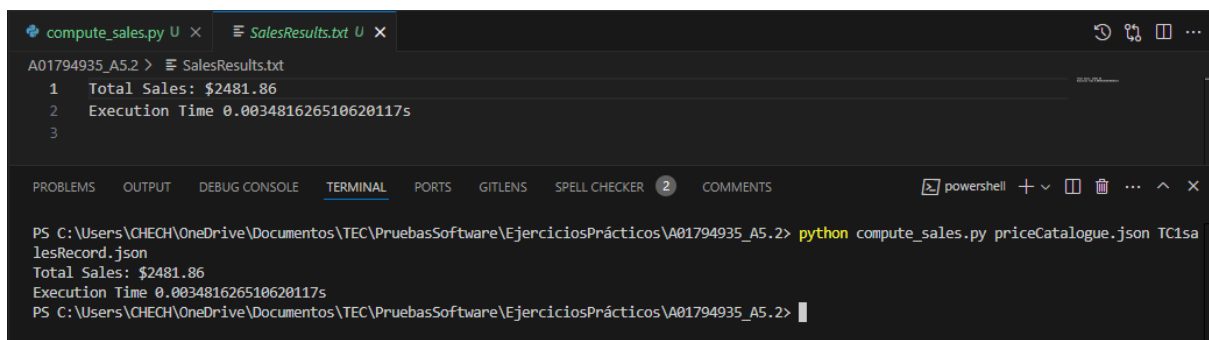
☒ Req 5. The minimum format to invoke the program shall be as follows: python computeSales.py priceCatalogue.json salesRecord.json

☒ Req 6. The program shall manage files having from hundreds of items to thousands of items.

☒ Req 7. The program should include at the end of the execution the time elapsed for the execution and calculus of the data. This number shall be included in the results file and on the screen.

☒ Req 8. Be compliant with PEP8

• Results



```
compute_sales.py U x SalesResults.txt U x
A01794935_A5.2 > SalesResults.txt
1 Total Sales: $2481.86
2 Execution Time 0.003481626510620117s
3

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS SPELL CHECKER 2 COMMENTS
PS C:\Users\CHECH\OneDrive\Documentos\TEC\PruebasSoftware\EjerciciosPrácticos\A01794935_A5.2> python compute_sales.py priceCatalogue.json TC1salesRecord.json
Total Sales: $2481.86
Execution Time 0.003481626510620117s
PS C:\Users\CHECH\OneDrive\Documentos\TEC\PruebasSoftware\EjerciciosPrácticos\A01794935_A5.2> |
```

```

compute_sales.py U SalesResults.txt X
A01794935_A5.2 > SalesResults.txt
1 Total Sales: $166568.23
2 Execution Time 0.0029969215393066406s
3

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS SPELL CHECKER 2 COMMENTS
PS C:\Users\CHECH\OneDrive\Documentos\TEC\PruebasSoftware\EjerciciosPrácticos\A01794935_A5.2> python compute_sales.py priceCatalogue.json TC2sa
lesRecord.json
Total Sales: $166568.23
Execution Time 0.0029969215393066406s
PS C:\Users\CHECH\OneDrive\Documentos\TEC\PruebasSoftware\EjerciciosPrácticos\A01794935_A5.2>

```

```

compute_sales.py U SalesResults.txt X
A01794935_A5.2 > SalesResults.txt
1 Total Sales: $165235.37
2 Execution Time 0.002000093460083008s
3

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS SPELL CHECKER 2 COMMENTS
PS C:\Users\CHECH\OneDrive\Documentos\TEC\PruebasSoftware\EjerciciosPrácticos\A01794935_A5.2> python compute_sales.py priceCatalogue.json TC3sa
lesRecord.json
Total Sales: $165235.37
Execution Time 0.002000093460083008s
PS C:\Users\CHECH\OneDrive\Documentos\TEC\PruebasSoftware\EjerciciosPrácticos\A01794935_A5.2>

```

- Pylint

It was necessary to change the file name because don't compliance with the snake_case naming style.

```

compute_sales.py X SalesResults.txt U
A01794935_A5.2 > compute_sales.py calculate_total_sales
1 """Module to compute the total sales from a catalogue and a record of sales."""
2
3 import sys
4 import time
5 import json
6
7 def get_name_files():
8     """Gets the name of the files from the command line."""
9     if len(sys.argv) > 2:
10         file_name_catalogue = sys.argv[1]
11         file_name_records = sys.argv[2]
12         return file_name_catalogue, file_name_records
13     print("ERROR: Please provide the name of the files as an argument.")
14     return "", ""
15
16 def get_data_file(file_name):
17     """Reads the data from the file."""

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS SPELL CHECKER 2 COMMENTS
PS C:\Users\CHECH\OneDrive\Documentos\TEC\PruebasSoftware\EjerciciosPrácticos\A01794935_A5.2> pylint compute_sales.py

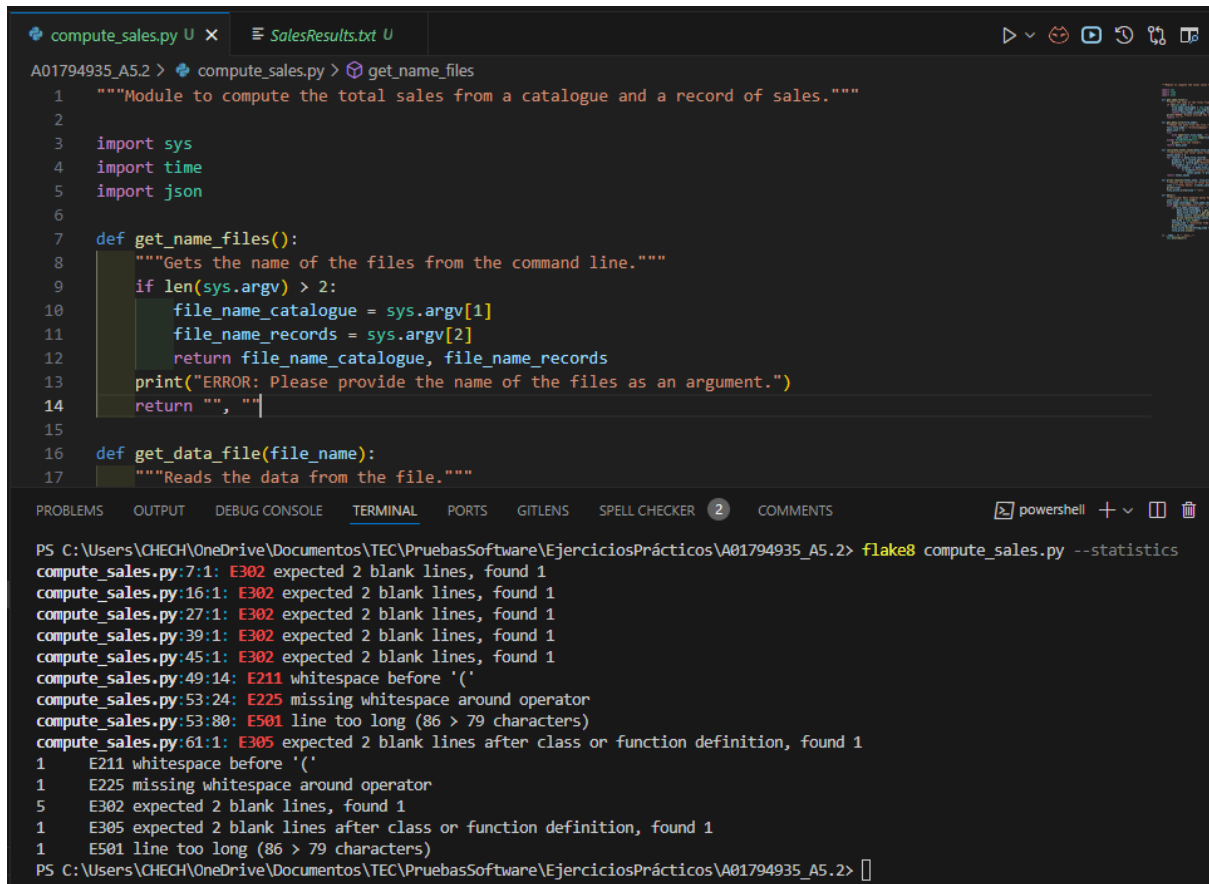
-----
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)

PS C:\Users\CHECH\OneDrive\Documentos\TEC\PruebasSoftware\EjerciciosPrácticos\A01794935_A5.2>

```

Due that I remember the previous suggestions in the last activity, I prevent lint issues.

- Flake8



```

1  """Module to compute the total sales from a catalogue and a record of sales."""
2
3  import sys
4  import time
5  import json
6
7  def get_name_files():
8      """Gets the name of the files from the command line."""
9      if len(sys.argv) > 2:
10         file_name_catalogue = sys.argv[1]
11         file_name_records = sys.argv[2]
12         return file_name_catalogue, file_name_records
13     print("ERROR: Please provide the name of the files as an argument.")
14     return "", ""
15
16 def get_data_file(file_name):
17     """Reads the data from the file."""

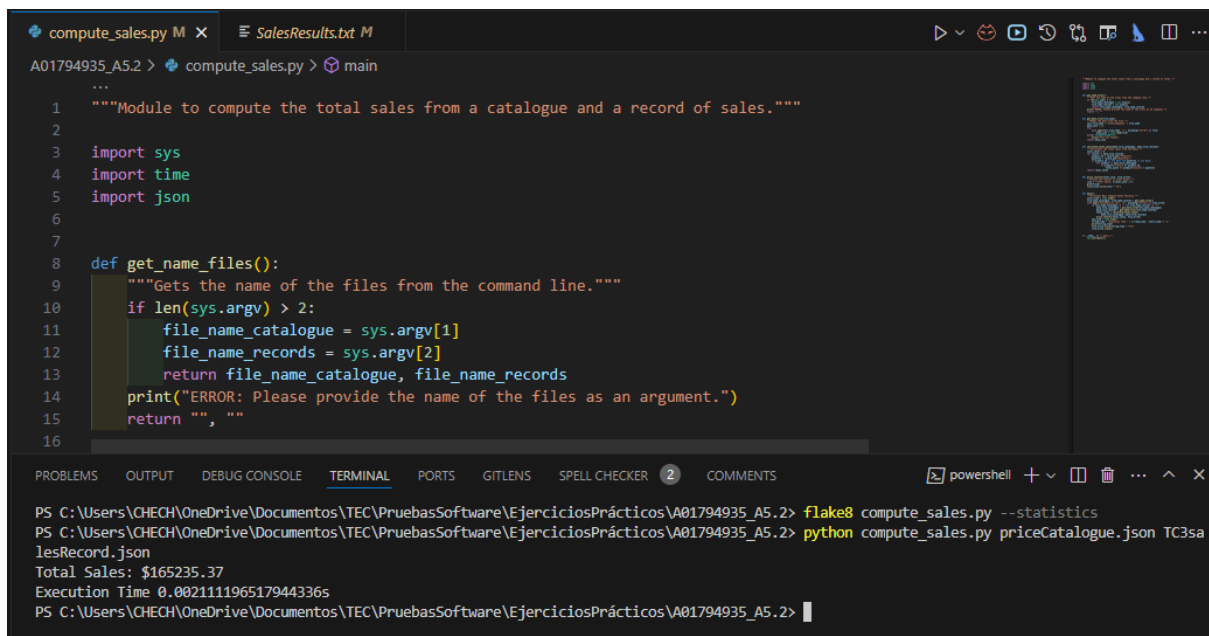
```

```

PS C:\Users\CHECH\OneDrive\Documentos\TEC\PruebasSoftware\EjerciciosPrácticos\A01794935_A5.2> flake8 compute_sales.py --statistics
compute_sales.py:7:1: E302 expected 2 blank lines, found 1
compute_sales.py:16:1: E302 expected 2 blank lines, found 1
compute_sales.py:27:1: E302 expected 2 blank lines, found 1
compute_sales.py:39:1: E302 expected 2 blank lines, found 1
compute_sales.py:45:1: E302 expected 2 blank lines, found 1
compute_sales.py:49:14: E211 whitespace before '('
compute_sales.py:53:24: E225 missing whitespace around operator
compute_sales.py:53:80: E501 line too long (86 > 79 characters)
compute_sales.py:61:1: E305 expected 2 blank lines after class or function definition, found 1
1  E211 whitespace before '('
1  E225 missing whitespace around operator
5  E302 expected 2 blank lines, found 1
1  E305 expected 2 blank lines after class or function definition, found 1
1  E501 line too long (86 > 79 characters)
PS C:\Users\CHECH\OneDrive\Documentos\TEC\PruebasSoftware\EjerciciosPrácticos\A01794935_A5.2>

```

Check and fix the Flake8 issues, and corroborate that function is executing correctly.



```

1  """Module to compute the total sales from a catalogue and a record of sales."""
2
3  import sys
4  import time
5  import json
6
7
8  def get_name_files():
9      """Gets the name of the files from the command line."""
10     if len(sys.argv) > 2:
11         file_name_catalogue = sys.argv[1]
12         file_name_records = sys.argv[2]
13         return file_name_catalogue, file_name_records
14     print("ERROR: Please provide the name of the files as an argument.")
15     return "", ""
16

```

```

PS C:\Users\CHECH\OneDrive\Documentos\TEC\PruebasSoftware\EjerciciosPrácticos\A01794935_A5.2> flake8 compute_sales.py --statistics
PS C:\Users\CHECH\OneDrive\Documentos\TEC\PruebasSoftware\EjerciciosPrácticos\A01794935_A5.2> python compute_sales.py priceCatalogue.json TC3salesRecord.json
Total Sales: $165235.37
Execution Time 0.002111196517944336s
PS C:\Users\CHECH\OneDrive\Documentos\TEC\PruebasSoftware\EjerciciosPrácticos\A01794935_A5.2>

```