

## Evidencia Pylint

The screenshot shows a code editor interface with a dark theme. At the top, there are tabs for "Welcome" and "computeSales.py X". The main area displays the following Python code:

```
72 def main():
98     # Formatting output
99     result_text = (
100         f"Total Sales Cost: {total_sales:.2f}\n"
101         f"Execution Time: {elapsed_time:.4f} seconds"
102     )
103
104     # Print to console
105     print(result_text)
106
107     # Save to file
108     with open("SalesResults.txt", "a", encoding='utf-8') as results_file:
109         results_file.write(f"Processing: {sales_file}\n")
110         results_file.write(result_text + "\n")
111         results_file.write("-" * 30 + "\n")
112
113
114 if __name__ == "__main__":
115     main()
116
```

Below the code editor, there is a navigation bar with tabs: PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is underlined), and PORTS.

The terminal window shows the following output:

```
PS C:\Users\lalo4\Downloads\Act5.2> pylint computeSales.py
-----
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
PS C:\Users\lalo4\Downloads\Act5.2>
```

## Evidencia Flake8

The screenshot shows a code editor interface with a dark theme. At the top, there are tabs for "Welcome" and "computeSales.py X". The main area displays the following Python code:

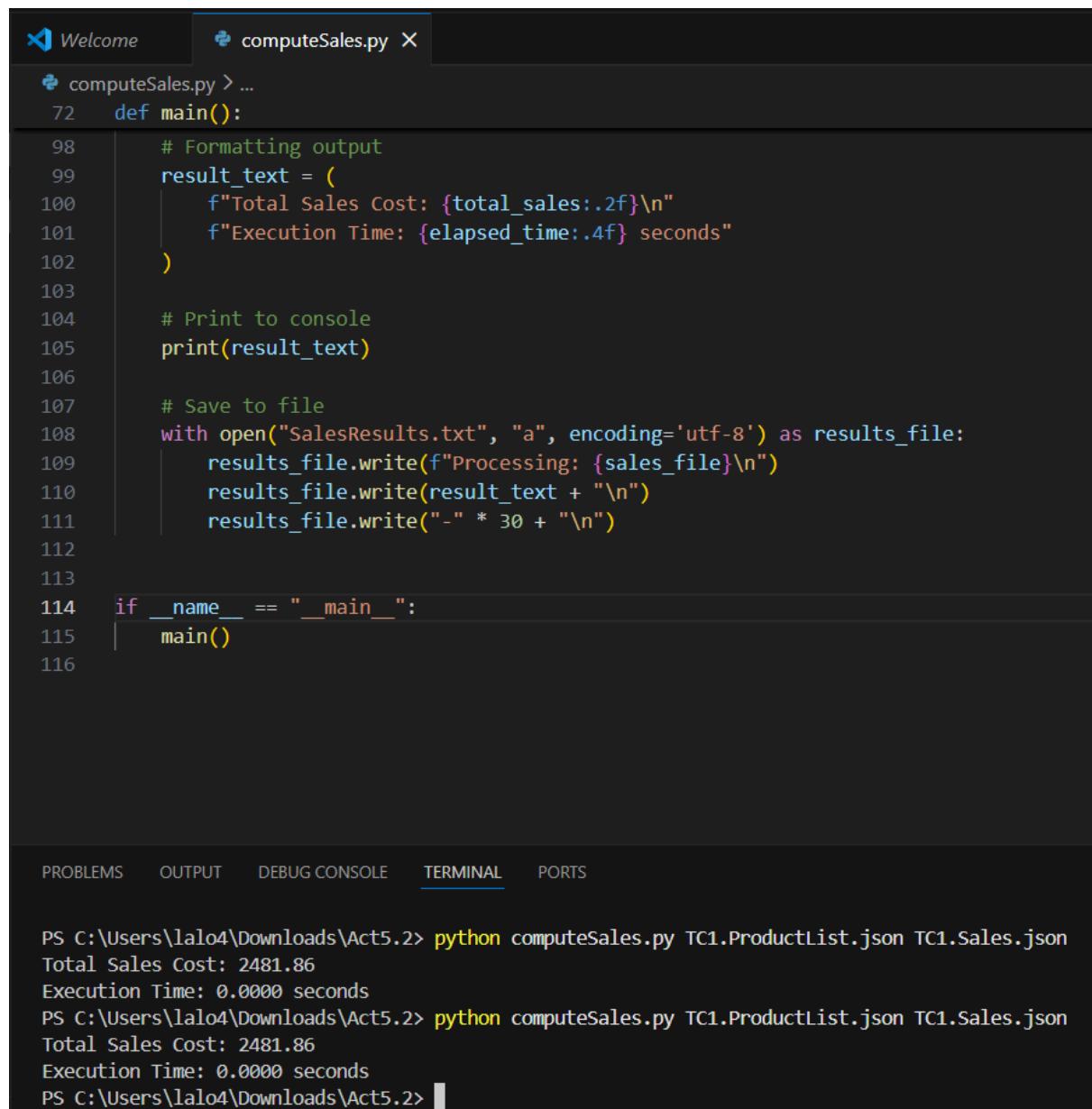
```
72 def main():
98     # Formatting output
99     result_text = (
100         f"Total Sales Cost: {total_sales:.2f}\n"
101         f"Execution Time: {elapsed_time:.4f} seconds"
102     )
103
104     # Print to console
105     print(result_text)
106
107     # Save to file
108     with open("SalesResults.txt", "a", encoding='utf-8') as results_file:
109         results_file.write(f"Processing: {sales_file}\n")
110         results_file.write(result_text + "\n")
111         results_file.write("-" * 30 + "\n")
112
113
114 if __name__ == "__main__":
115     main()
116
```

Below the code editor, a navigation bar includes links for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is underlined), and PORTS.

In the terminal window, the following command is entered:

```
PS C:\Users\lalo4\Downloads\Act5.2> flake8 computeSales.py
```

## Evidencia TC1

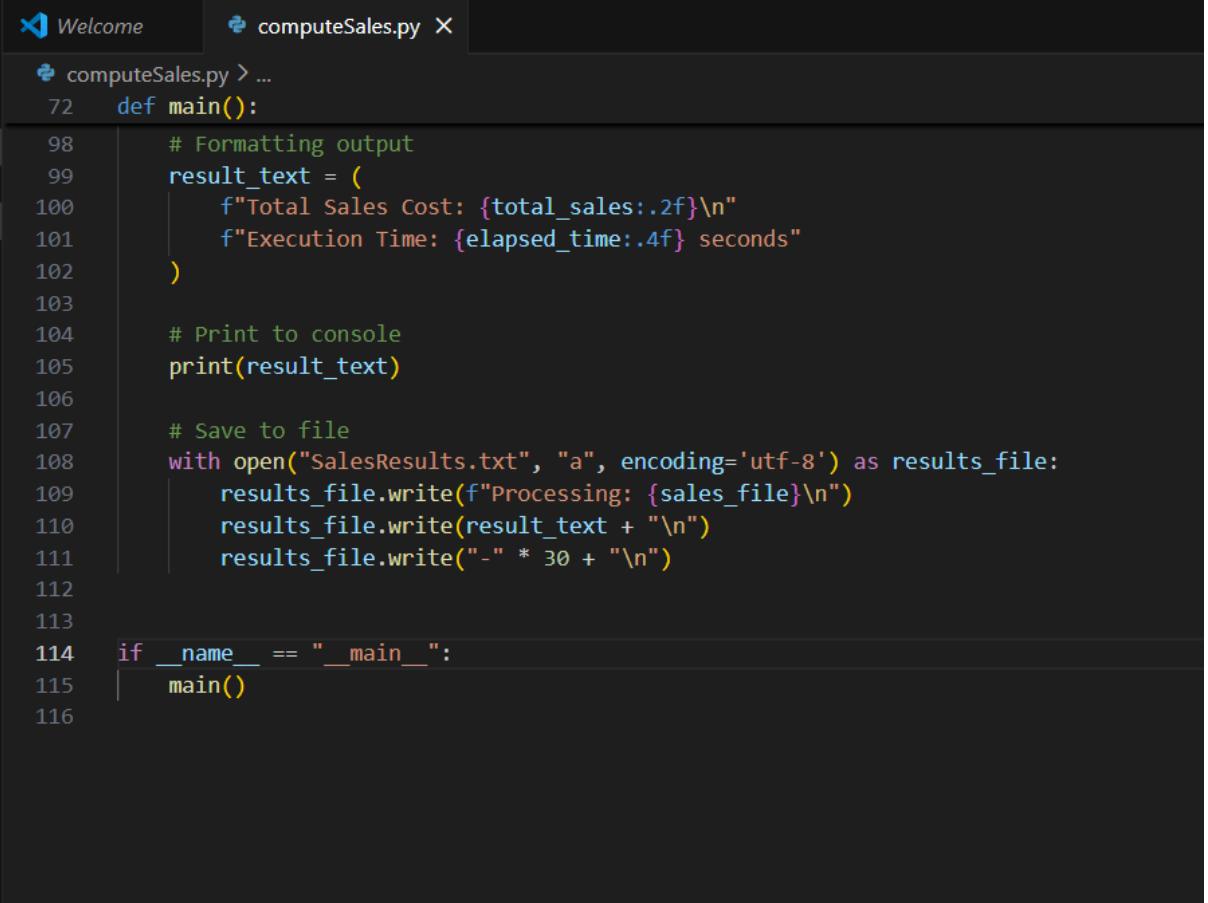


```
  Welcome  computeSales.py X
  computeSales.py > ...
72  def main():
98      # Formatting output
99      result_text = (
100         f"Total Sales Cost: {total_sales:.2f}\n"
101         f"Execution Time: {elapsed_time:.4f} seconds"
102     )
103
104     # Print to console
105     print(result_text)
106
107     # Save to file
108     with open("SalesResults.txt", "a", encoding='utf-8') as results_file:
109         results_file.write(f"Processing: {sales_file}\n")
110         results_file.write(result_text + "\n")
111         results_file.write("-" * 30 + "\n")
112
113
114 if __name__ == "__main__":
115     main()
116
```

PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

```
PS C:\Users\lalo4\Downloads\Act5.2> python computeSales.py TC1.ProductList.json TC1.Sales.json
Total Sales Cost: 2481.86
Execution Time: 0.0000 seconds
PS C:\Users\lalo4\Downloads\Act5.2> python computeSales.py TC1.ProductList.json TC1.Sales.json
Total Sales Cost: 2481.86
Execution Time: 0.0000 seconds
PS C:\Users\lalo4\Downloads\Act5.2>
```

## Evidencia TC2



```
>Welcome   computeSales.py X
computeSales.py > ...
72 def main():
98     # Formatting output
99     result_text = (
100         f"Total Sales Cost: {total_sales:.2f}\n"
101         f"Execution Time: {elapsed_time:.4f} seconds"
102     )
103
104     # Print to console
105     print(result_text)
106
107     # Save to file
108     with open("SalesResults.txt", "a", encoding='utf-8') as results_file:
109         results_file.write(f"Processing: {sales_file}\n")
110         results_file.write(result_text + "\n")
111         results_file.write("-" * 30 + "\n")
112
113
114 if __name__ == "__main__":
115     main()
116
```

PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

```
Total Sales Cost: 2481.86
Execution Time: 0.0000 seconds
PS C:\Users\lalo4\Downloads\Act5.2> python computeSales.py TC1.ProductList.json TC1.Sales.json
Total Sales Cost: 2481.86
Execution Time: 0.0000 seconds
PS C:\Users\lalo4\Downloads\Act5.2> python computeSales.py TC1.ProductList.json TC2.Sales.json
Total Sales Cost: 166568.23
Execution Time: 0.0010 seconds
PS C:\Users\lalo4\Downloads\Act5.2> 
```

## Evidencia TC3

The screenshot shows a code editor interface with a dark theme. At the top, there are tabs for "Welcome" and "computeSales.py X". The main area contains Python code for a script named "computeSales.py". The code includes a "main" function that prints results to the console and saves them to a file named "SalesResults.txt". It also handles errors for missing products like 'Elotes' and 'Frijoles'. The code uses f-strings for output formatting.

```
1 Welcome
2 computeSales.py X
3
4 computeSales.py > ...
5
6 72 def main():
7 98     # Formatting output
8 99     result_text = (
9 100         f"Total Sales Cost: {total_sales:.2f}\n"
10 101         f"Execution Time: {elapsed_time:.4f} seconds"
11 102     )
12
13 104     # Print to console
14 105     print(result_text)
15
16 107     # Save to file
17 108     with open("SalesResults.txt", "a", encoding='utf-8') as results_file:
18 109         results_file.write(f"Processing: {sales_file}\n")
19 110         results_file.write(result_text + "\n")
20 111         results_file.write("-" * 30 + "\n")
21
22 113
23 114     if __name__ == "__main__":
24 115         main()
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```

Below the code editor, there is a navigation bar with tabs: PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is underlined), and PORTS.

The terminal window shows the command "python computeSales.py TC1.ProductList.json TC3.Sales.json" being run. It outputs error messages for missing products, followed by the total sales cost and execution time for each file.

```
PS C:\Users\lalo4\Downloads\Act5.2> python computeSales.py TC1.ProductList.json TC3.Sales.json
Error: Product 'Elotes' not found in catalogue.
Error: Product 'Frijoles' not found in catalogue.
Total Sales Cost: 165235.37
Execution Time: 0.0020 seconds
PS C:\Users\lalo4\Downloads\Act5.2>
```

## Resultados

The terminal window displays the output of the "computeSales.py" script for three different datasets: TC1.Sales.json, TC2.Sales.json, and TC3.Sales.json. For each dataset, it shows the processing file, the total sales cost, and the execution time. The output is formatted with red underlines for certain words like "Processing", "Total Sales Cost", and "Execution Time".

```
Processing: TC1.Sales.json
Total Sales Cost: 2481.86
Execution Time: 0.0000 seconds
-----
Processing: TC2.Sales.json
Total Sales Cost: 166568.23
Execution Time: 0.0010 seconds
-----
Processing: TC3.Sales.json
Total Sales Cost: 165235.37
Execution Time: 0.0020 seconds
```