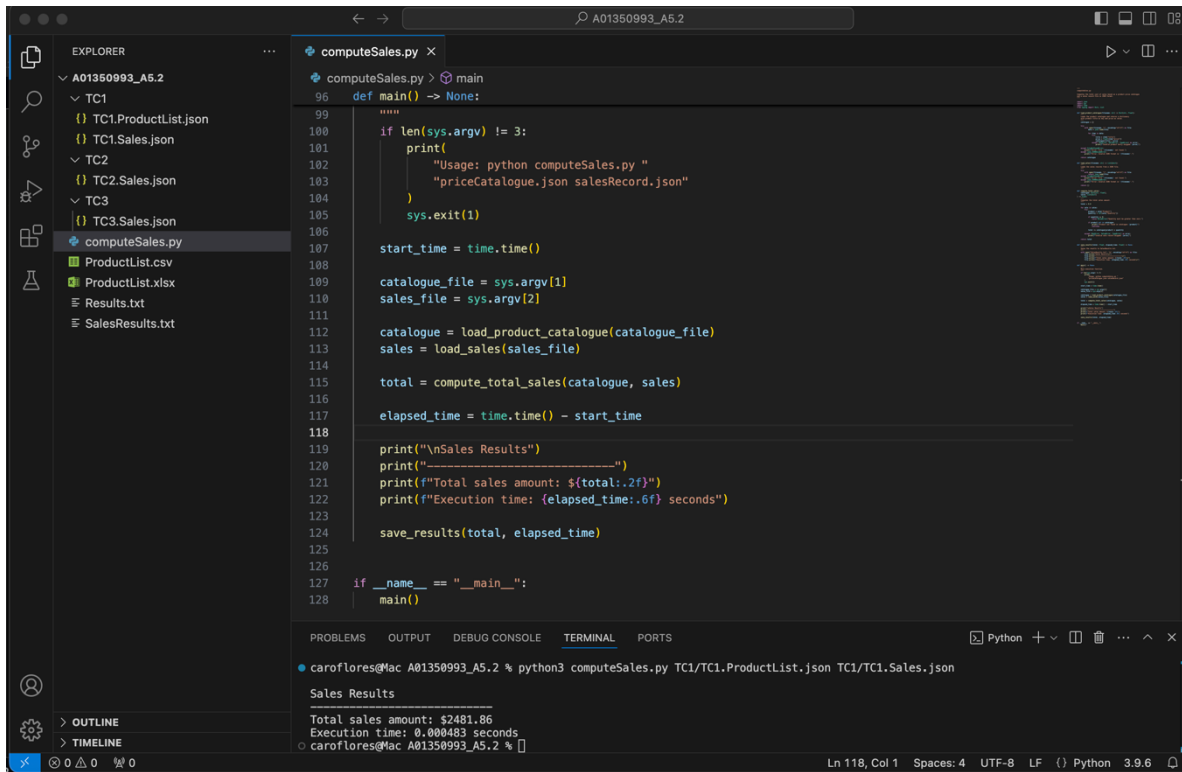


## Screenshots

### TC1



The screenshot displays a Visual Studio Code editor window with a dark theme. The Explorer sidebar on the left shows a project structure for 'A01350993\_A5.2' containing test cases TC1, TC2, and TC3, each with associated JSON and CSV files. The 'computeSales.py' file is selected and open in the main editor. The script is a Python program that takes two command-line arguments: a product catalogue file and a sales record file. It calculates the total sales amount and the execution time, then prints the results and saves them to a file. The terminal at the bottom shows the command executed and the resulting output.

```
def main() -> None:
    """
    if len(sys.argv) != 3:
        print(
            "Usage: python computeSales.py "
            "priceCatalogue.json salesRecord.json"
        )
        sys.exit(1)

    start_time = time.time()

    catalogue_file = sys.argv[1]
    sales_file = sys.argv[2]

    catalogue = load_product_catalogue(catalogue_file)
    sales = load_sales(sales_file)

    total = compute_total_sales(catalogue, sales)

    elapsed_time = time.time() - start_time

    print("\nSales Results")
    print("-----")
    print(f"Total sales amount: ${total:.2f}")
    print(f"Execution time: {elapsed_time:.6f} seconds")

    save_results(total, elapsed_time)

if __name__ == "__main__":
    main()
```

caroflores@Mac A01350993\_A5.2 % python3 computeSales.py TC1/TC1.ProductList.json TC1/TC1.Sales.json

Sales Results

Total sales amount: \$2481.86  
Execution time: 0.000483 seconds

### TC2

