**Steps to Complete the Assignment**

Based on the provided files, here’s how to complete the assignment:

**Step 1: Create the Python File**

* Rename your Python file as m5lab\_FileProcessing\_YourName.py (replace "YourName" with your actual name).

**Step 2: Add a Title Block**

At the top of your script, add:

python

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# This program processes sales data from sales.csv

# Date

# CSC121 M5Lab

# Your Name

**Step 3: Read and Process Sales Data**

You already have a function calculate\_total\_sales(file\_name) in file\_name.py that:

* Reads sales.csv
* Calculates total sales for each product

Modify m5Lab\_FileProcessing\_RichardComins.py:

1. Import the correct module (likely file\_name instead of sales\_processing).
2. Update variable names (fix missing quotes around filenames).

Example:

python

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import file\_name # Importing functions

def main():

input\_file = "sales.csv"

# Part 1: Calculate total sales per product

total\_sales = file\_name.calculate\_total\_sales(input\_file)

print("Total Sales Per Product:", total\_sales)

# Part 2 & 3: Write sales data to CSV and TXT files

file\_name.write\_sales\_csv(total\_sales, "total\_sales.csv")

file\_name.write\_sales\_txt(total\_sales, "total\_sales\_txt.txt")

# Part 4: Calculate total sales per customer

customer\_sales = file\_name.calculate\_customer\_sales(input\_file)

print("Total Sales Per Customer:", customer\_sales)

# Write customer sales data to CSV and TXT files

file\_name.write\_sales\_csv(customer\_sales, "cus\_total.csv")

file\_name.write\_sales\_txt(customer\_sales, "cus\_total\_txt.txt")

if \_\_name\_\_ == "\_\_main\_\_":

main()

**Key Fixes**

1. Added **quotes** around filenames ("sales.csv", "total\_sales.csv", etc.).
2. Corrected the import statement to match your existing function file (file\_name.py).
3. Ensured that the script correctly **prints results** before writing files.

**Final Steps**

* Run the script to verify correct file generation.
* Check total\_sales.csv, total\_sales\_txt.txt, cus\_total.csv, and cus\_total\_txt.txt for correctness.
* Submit your m5lab\_FileProcessing\_YourName.py file.

This will complete all assignment requirements. 🚀

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