**GitHub Copilot**

[**ETL\_demo\_3**](vscode-file://vscode-app/c:/Users/perumalm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)

Add the Scenario and Margin columns to the FactFinance sheet and delete them from the FactFinance\_Transformed sheet.

ETL\_demo\_3



**muthuperumal02**

Please create a new file ETL\_Demo\_4

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[**ETL\_demo\_4**](vscode-file://vscode-app/c:/Users/perumalm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)

Create a new file ETL\_demo\_4 with the same functionality as ETL\_demo\_3.

ETL\_demo\_4



**muthuperumal02**

Please create a new file ETL\_Demo\_4

**GitHub Copilot**

[**ETL\_demo\_4**](vscode-file://vscode-app/c:/Users/perumalm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)

Create a new file ETL\_demo\_4 with the same functionality as ETL\_demo\_3.

ETL\_demo\_4



**muthuperumal02**

Please create a new file ETL\_Demo\_4 in this file path C:\Users\perumalm\Desktop\GIT\MySQL server\GitHub\_Copliot\_demo\Pythonfiles

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[**ETL\_demo\_4**](vscode-file://vscode-app/c:/Users/perumalm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)

Create a new file ETL\_demo\_4 with the same functionality as ETL\_demo\_3.

**muthuperumal02**

Role: Please think you as 25 years experienced data Engineer. I have uploaded a excel file 'Git\_Copilot\_POC\_7' that contains four sheets DimCustomer, DimProduct, Factfinance, DimAddress. Please extract the files into dataframes. Now I would Like you to transform two columns from FactFinance sheet. The name of the columns are 'Margin, actual', 'Margin, budget'. Please create two new columns scenario and Margin. so that in scenario column I have value 'Actual' and 'Budget' and corresponding value in Margin column. Please do not create extra sheet. Please do the transformation in the FactFinance sheet itself

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Sorry, your request failed. Please try again. Request id: e3f2195f-68b5-4a3e-bfc0-e3300b3acb5a



**muthuperumal02**

Role: Please think you as 25 years experienced data Engineer. I have uploaded a excel file 'Git\_Copilot\_POC\_7' that contains four sheets DimCustomer, DimProduct, Factfinance, DimAddress. Please extract the files into dataframes. Now I would Like you to transform two columns from FactFinance sheet. The name of the columns are 'Margin, actual', 'Margin, budget'. Please create two new columns scenario and Margin. so that in scenario column I have value 'Actual' and 'Budget' and corresponding value in Margin column. Please do not create extra sheet. Please do the transformation in the FactFinance sheet itself

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[**ETL\_Demo\_5.py**](vscode-file://vscode-app/c:/Users/perumalm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)

Extract the sheets from the Excel file into dataframes and transform the specified columns from the FactFinance sheet.

ETL\_Demo\_5.py



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[**New\_ETL\_Demo.py**](vscode-file://vscode-app/c:/Users/perumalm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)

Ensure that the transformation does not delete other columns in the FactFinance table.

New\_ETL\_Demo.py



**muthuperumal02**

Please note that there are two transformed columns is scenario and Margin.

scenario column should have two values 'Actual' and 'budget'. and corresponding values in margin column

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[**New\_ETL\_Demo.py**](vscode-file://vscode-app/c:/Users/perumalm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)

Ensure that the Scenario column contains both 'Actual' and 'Budget' values and the corresponding values in the Margin column.

New\_ETL\_Demo.py



**muthuperumal02**

no i cannot see budget vaöues in both inscenario and also margin column why?

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[**New\_ETL\_Demo.py**](vscode-file://vscode-app/c:/Users/perumalm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)

Ensure that the Scenario column contains both 'Actual' and 'Budget' values and the corresponding values in the Margin column.

**muthuperumal02**

I want you do the same for follwing set of columns:

'Order Quantity, actual ' , 'Order Quantity, budget' 'Sales Amount, actual' , 'Sales Amount, budget' 'Total Product Cost, actual' , 'Total Product Cost, budget' 'Fixed Costs, actual' , 'Fixed Costs, budget'

but already we have scenario column in the FactFinance sheet now I want only one column from the couple of columns.

Order Quantitity Sales Amount Total Product Cost Fixed cost

**GitHub Copilot**

[**New\_ETL\_Demo.py**](vscode-file://vscode-app/c:/Users/perumalm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)

Transform the FactFinance sheet by creating new columns for Order Quantity, Sales Amount, Total Product Cost, and Fixed Costs from their respective actual and budget columns. Ensure the Scenario column is used to differentiate between 'Actual' and 'Budget' values.

New\_ETL\_Demo.py



**muthuperumal02**

I want you do the same for follwing set of columns:

'Order Quantity, actual ' , 'Order Quantity, budget' 'Sales Amount, actual' , 'Sales Amount, budget' 'Total Product Cost, actual' , 'Total Product Cost, budget' 'Fixed Costs, actual' , 'Fixed Costs, budget'

but already we have scenario column in the FactFinance sheet now I want only one column from the couple of columns.

Order Quantitity Sales Amount Total Product Cost Fixed cost

**GitHub Copilot**

[**ETL\_demo\_6.py**](vscode-file://vscode-app/c:/Users/perumalm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)

Transform the FactFinance sheet by creating new columns for Order Quantity, Sales Amount, Total Product Cost, and Fixed Costs from their respective actual and budget columns. Ensure the Scenario column is used to differentiate between 'Actual' and 'Budget' values.

ETL\_demo\_6.py



**GitHub Copilot**

To call the drop\_month\_column function, you can simply add the function call at the end of your script. You can execute the script from the command line interface (CLI) to run the specific part of the code.

Here is how you can modify your script to call the drop\_month\_column function:

[**columnmerging ETL.py**](vscode-file://vscode-app/c:/Users/perumalm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)

Add the function call at the end of the script.

columnmerging ETL.py

To execute the script from the CLI, follow these steps:

1. Open a command prompt or terminal.
2. Navigate to the directory containing your script using the cd command.
3. Run the script by typing python columnmerging ETL.py and pressing Enter.

This will execute the drop\_month\_column function and perform the specified transformation.



**muthuperumal02**

how to execute the script how to exceute the script

**GitHub Copilot**

To execute the script, follow these steps:

1. **Open a Command Prompt or Terminal:**
   * On Windows, you can open Command Prompt by searching for "cmd" in the Start menu.
   * On macOS or Linux, you can open Terminal from the Applications folder or by searching for it.
2. **Navigate to the Directory Containing Your Script:** Use the cd command to change the directory to where your script is located. For example:

cd "C:\Users\perumalm\Desktop\GIT\MySQL server\GitHub\_Copliot\_demo\Pythonfiles"

1. **Run the Script:** Use the python command followed by the name of your script to execute it. For example:

python columnmerging ETL.py

This will execute the script and run the functions defined in it. If you have both drop\_month\_column and transform\_fact\_finance functions called in the script, they will be executed in sequence.

Here is a summary of the commands you need to run in the Command Prompt or Terminal:

cd "C:\Users\perumalm\Desktop\GIT\MySQL server\GitHub\_Copliot\_demo\Pythonfiles"

python columnmerging ETL.py

Make sure you have Python installed on your system and that the python command is available in your PATH. If you encounter any issues, please let me know!



**GitHub Copilot**

To save the entire chat history in the Copilot edit, you can copy the content of the chat and paste it into a text file or a document. Here is a step-by-step guide on how to do it:

1. **Select the Chat Content:**
   * Click and drag your mouse to select the entire chat content. You can start from the beginning of the chat and drag down to the end.
2. **Copy the Selected Content:**
   * Right-click on the selected content and choose "Copy" from the context menu, or press Ctrl+C (Windows) or Cmd+C (macOS) to copy the content.
3. **Open a Text Editor or Document Editor:**
   * Open a text editor (such as Notepad, Sublime Text, or VS Code) or a document editor (such as Microsoft Word or Google Docs).
4. **Paste the Copied Content:**
   * Right-click in the text editor or document editor and choose "Paste" from the context menu, or press Ctrl+V (Windows) or Cmd+V (macOS) to paste the copied content.
5. **Save the File:**
   * Save the file with an appropriate name and file extension. For example, you can save it as copilot\_chat\_history.txt or copilot\_chat\_history.docx.

Here is an example of how you can save the chat content in a text file:

**Example Steps:**

1. **Select the Chat Content:**

<img alt="Select Content" src="https://via.placeholder.com/300x100.png?text=Select+Content">

1. **Copy the Selected Content:**

<img alt="Copy Content" src="https://via.placeholder.com/300x100.png?text=Copy+Content">

1. **Open a Text Editor:**

<img alt="Open Text Editor" src="https://via.placeholder.com/300x100.png?text=Open+Text+Editor">

1. **Paste the Copied Content:**

<img alt="Paste Content" src="https://via.placeholder.com/300x100.png?text=Paste+Content">

1. **Save the File:**

<img alt="Save File" src="https://via.placeholder.com/300x100.png?text=Save+File">

By following these steps, you can save the entire chat history in a file for future reference.



**muthuperumal02**

is there some other way

**GitHub Copilot**

If you want to save the entire chat history within the script itself, you can add a multiline comment at the beginning or end of your script to store the chat history. This way, you can keep the chat history within the same file without affecting the execution of the script.

Here is an example of how you can add the chat history as a multiline comment at the beginning of your script:

[**columnmerging.py**](vscode-file://vscode-app/c:/Users/perumalm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)

Add the chat history as a multiline comment.

columnmerging.py

**Promting techinique:**

**Attempt one**

Role: Please think you as 25 years experienced data Engineer.

I have uploaded a excel file 'Git\_Copilot\_POC\_5' that contains four sheets DimCustomer, DimProduct, Factfinance, DimAddress. Please extract the files into dataframes. Now I would Like you to transform two columns from FactFinance sheet. The name of the columns are 'Margin, actual', 'Margin, budget'. Please create two new columns scenario and Margin. so that in scenario column I have value 'Actual' and 'Budget' and corresponding value in Margin column

**Result**

No budget values

Deleted other columns

**Attempt 2:**  
  
Role: Please think you as 25 years experienced data Engineer. I have uploaded a excel file 'Git\_Copilot\_POC\_7' that contains four sheets DimCustomer, DimProduct, Factfinance, DimAddress. Please extract the files into dataframes. Now I would Like you to transform two columns from FactFinance sheet. The name of the columns are 'Margin, actual', 'Margin, budget'. Please create two new columns scenario and Margin. so that in scenario column I have value 'Actual' and 'Budget' and corresponding value in Margin column.

Added this line : Please do not create extra sheet. Please do the transformation in the FactFinance sheet itself

**Result**

No budget values

Deleted other columns

**attempt 3:**  
same prompt same result

**attempt 4:**  
same prompt same result

**attempt 5:**  
same prompt same result

**corrected prompt:**

Role: Please think you as 25 years experienced data Engineer. I have uploaded a excel file 'Git\_Copilot\_POC\_7' that contains four sheets DimCustomer, DimProduct, Factfinance, DimAddress. Please extract the files into dataframes. **Please transform the FactFinance sheet by creating two new columns: Scenario and Margin. Each original row should be duplicated: one row with Scenario = 'Actual' and Margin from Margin, actual, and another row with Scenario = 'Budget' and Margin from Margin, budget. I would like to do the same for ‚Order Quantity, actual‘ , ‚ Order Quantity, budget‘, ‚Sales Amount, actual‘, 'Sales Amount, budget', 'Total Product Cost, actual', 'Total Product Cost, budget', 'Fixed Costs, actual', 'Fixed Costs, budget'.The rest of the columns should remain the same. Please perform this transformation directly in the FactFinance sheet without creating an extra sheet**

Please do not create extra sheet. Please do the transformation in the FactFinance sheet itself

**Nachteil:**  
  
Wenn Sie eine falsche prompt geben, können Sie nicht das erwartete Ergebnis erzielen. die richtige prompt kann das richtige Ergebnis liefern

**Story:** für die Finanztransformation etl process kann ich auch nach 5 Versuchen mit verschiedenen prompts kann nicht die erwarteten Ergebnisse erreichen

um Fehler in der prompt zu finden, müss ich chatgpt verwenden

es kann nur Code nach Ihrer prompts erstellen. es kann eine Lösung für ein Problem geben

**Story:** Ich möchte den bestimmten Teil des Python-Codes in der Datei löschen. Das ist das Problem, das ich nicht lösen kann. Ich habe Copilot gefragt. Es kann keine Lösung geben. Es ist nur die Änderung des Codes allein