Assuming you have two SQL tables *PL_table* and *Sales_table* with the following fields and schema:

PL_table

Field name	Туре	Explanation
Period	Date	First day of the month such as "2023-06-01". (YYYY-MM-DD). It includes data for year 2021
		to 2023
Scenario	String	"Actual" or "Forecast".
Category	String	
Sub_Category	String	
Region	String	
Market	String	
Channel	String	
Customer	String	
Account	String	volume# and P&L Accounts such as
		grossmargin, tradingprofit, netrev, sales
Account_Values	Float	

Sales_table

Field name	Туре	Explanation
Calendar_day	Date	The day of the actual sales transaction, such as "2023-05-04" (YYYY-MM-DD). It includes actual sales data from 2019 to 2023.
Category	String	
Sub_Category	String	
Material	String	Unique material codes which roll up to
		Sub_Category and Category
Region	String	
Market	String	
Channel	String	
Customer	String	
Sales_Value	Float	

^{*} The members in Category, Sub_Category, Region, Market, Channel and Customer may be dissimilar in both tables. (e.g., Certain customers in forecast scenario of the PL_table may not exist in Sales_table)

[#] Volume is the number of units sold

 Can you write a SQL query to extract both Sales_Value and Forecasted Sales_Value for each Period, Category, Sub_Category, Region, Market, Channel, Customer for the year 2023?

The end table should have the following fields: Period, Category, Sub_Category, Region, Market, Channel, Customer, Sales_Value, Forecasted_Sales_Value.

Can you write a SQL query to extract weekly Sales_Values, Rolling Past 8-weeks
Sales_Values, Rolling Past 8-12 weeks Sales_Values from the Sales_table? Hint: please
consider the case where a sale might not be present in a certain week, means no data record for that week)

The result table should have the following fields: Calendar_week, Category, Sub_Category, Material, Region, Market, Channel, Customer, Sales_Values, Rolling_Past 8-weeks Sales_Values

3. Can you write a SQL query to structure the data from the *PL_table* so that the end table can be visualized in tableau to show the per unit values for all the accounts and allow drill-down to different levels? *Hint: please consider the case the number of records for each account might be different*)

Please also help to explain the steps to visualize it in tableau after your SQL query. [Per unit calculation = [Account_values/ Account_values (where Account = "volume")].