Using your report from Part 2, complete the following steps:

1) In the **DATA** view, add the following **calculated columns**:

- In the **Calendar** table, add a column named "***Weekend***"
    - Equals "***Y***" for Saturdays or Sundays (otherwise "***N***")
- In the **Calendar** table, add a column named "***End of Month***"
    - Returns the last date of the current month for each row
- In the **Customers** table, add a column named "***Current Age***"
    - Calculates current customer ages using the "*birthdate*" column and the TODAY() function
- In the **Customers** table, add a column named "***Priority***"
    - Equals "***High***" for customers who own homes and have Golden membership cards (otherwise "***Standard***")
- In the **Customers** table, add a column named "***Short_Country***"
    - Returns the first three characters of the customer country, and converts to all uppercase
- In the **Customers** table, add a column named "***House Number***"
    - Extracts all characters/numbers before the first space in the "*customer_address*" column (***hint:*** *use SEARCH*)
- In the **Products** table, add a column named "***Price_Tier***"
    - Equals "***High***" if the retail price is >**$3**, "***Mid***" if the retail price is >**$1**, and "***Low***" otherwise
- In the **Stores** table, add a column named "***Years_Since_Remodel***"
    - Calculates the number of years between the current date (TODAY()) and the last remodel date

2) In the **REPORT** view, add the following **measures** (*Assign to tables as you see fit, and use a matrix to match the "**spot check**" values*)

- Create new measures named "**Quantity Sold**" and "**Quantity Returned**" to calculate the sum of quantity from each data table
    - ***Spot check:*** *You should see total Quantity Sold =* ***833,489*** *and total Quantity Returned =* ***8,289***
- Create new measures named "**Total Transactions**" and "**Total Returns**" to calculate the count of rows from each data table
    - ***Spot check:*** *You should see* ***269,720*** *transactions and* ***7,087*** *returns*
- Create a new measure named "**Return Rate**" to calculate the ratio of quantity returned to quantity sold (format as %)
    - ***Spot check:*** *You should see an overall return rate of* ***0.99%***
- Create a new measure named "**Weekend Transactions**" to calculate transactions on weekends
    - ***Spot check:*** *You should see* ***76,608*** *total weekend transactions*

- Create a new measure named "**% Weekend Transactions**" to calculate weekend transactions as a percentage of total transactions (format as %)
    - ***Spot check:*** *You should see* ***28.4%*** *weekend transactions*
- Create new measures named "**All Transactions**" and "**All Returns**" to calculate grand total transactions and returns (regardless of filter context)
    - ***Spot check:*** *You should see* ***269,720*** *transactions and* ***7,087*** *returns across all rows (test with product_brand on rows)*
- Create a new measure to calculate "**Total Revenue**" based on transaction quantity and product retail price, and format as $ (***hint:*** *you'll need an iterator*)
    - ***Spot check:*** *You should see a total revenue of* ***$1,764,546***
- Create a new measure to calculate "**Total Cost**" based on transaction quantity and product cost, and format as $ (***hint:*** *you'll need an iterator*)
    - ***Spot check:*** *You should see a total cost of* ***$711,728***
- Create a new measure named "**Total Profit**" to calculate total revenue minus total cost, and format as $
    - ***Spot check:*** *You should see a total profit of* ***$1,052,819***
- Create a new measure to calculate "**Profit Margin**" by dividing total profit by total revenue calculate total revenue (format as %)
    - ***Spot check:*** *You should see an overall profit margin of* ***59.67%***
- Create a new measure named "**Unique Products**" to calculate the number of unique product names in the **Products** table
    - ***Spot check:*** *You should see* ***1,560*** *unique products*
- Create a new measure named "**YTD Revenue**" to calculate year-to-date total revenue, and format as $
    - ***Spot check:*** *Create a matrix with "****Start of Month****" on rows; you should see* ***$872,924*** *in YTD Revenue in September 1998*
- Create a new measure named "**60-Day Revenue**" to calculate a running revenue total over a 60-day period, and format as $
    - ***Spot check:*** *Create a matrix with "****date****" on rows; you should see* ***$97,570*** *in 60-Day Revenue on 4/14/1997*
- Create new measures named "**Last Month Transactions**", "**Last Month Revenue**", "**Last Month Profit**", and "**Last Month Returns**"
    - ***Spot check:*** *Create a matrix with "****Start of Month****" on rows to confirm accuracy*
- Create a new measure named "**Revenue Target**" based on a 5% lift over the previous month revenue, and format as $
    - ***Spot check:*** *You should see a Revenue Target of* ***$99,223*** *in March 1998*
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