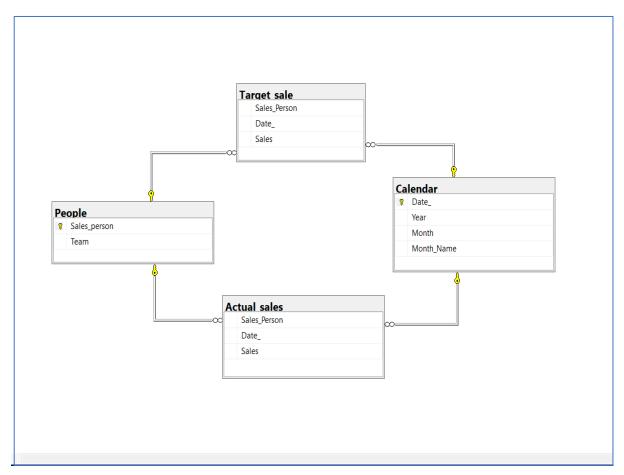
### **SALES ANALYSIS**

**BACKGROUND**: We have sales data from January 2023 to February 2024. We'll analyze sales achievements against individual targets, focusing on both year-to-date (YTD) performance and identifying the top performer for each month. This will help us understand overall progress towards goals, pinpoint areas for improvement, and recognize outstanding salespeople.

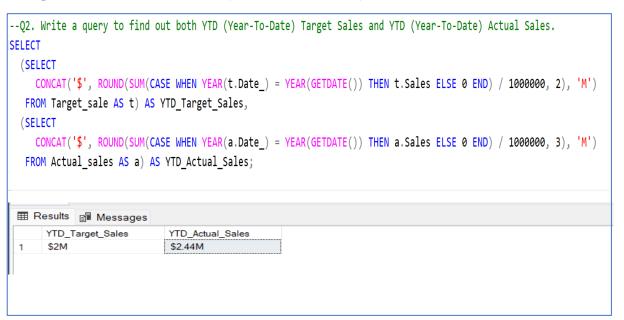
#### **SCHEMA**



# Q1. Write a query to find out total actual sales and total Target Sales.

```
--Q1. Write a query to find out total Actual sales and total Target Sales
|SELECT
| CONCAT('$', ROUND(((SELECT SUM(a.Sales)) |
| FROM Actual_Sales AS a) / 1000000 ),1), 'M') AS Total_Actual_Sales,
| CONCAT('$', ROUND(((SELECT (SUM(t.Sales))) |
| FROM Target_Sale AS t) / 10000000),1), 'M') AS Total_Target_Sales;
| Total_Actual_Sales | Total_Target_Sales |
| Total_Sales | Total_Sales | Total_Target_Sales |
| Total_Sales | Total_Sa
```

# Q2. Write a query to find out both YTD (Year-To-Date) Target Sales and YTD (Year-To-Date) Actual Sales.



## Q3. What is the overall percentage difference between total actual sales and total target sales.

```
--Q3.What is the overall percentage difference between total actual sales and total target sales.

SELECT

CASE WHEN SUM(t.Sales) = 0 THEN 'Division by Zero'

ELSE CONCAT(Round((SUM(a.Sales) - SUM(t.Sales)) / (SUM(t.Sales)) * 100, 2), '%')

END AS Sales_Difference_Pct

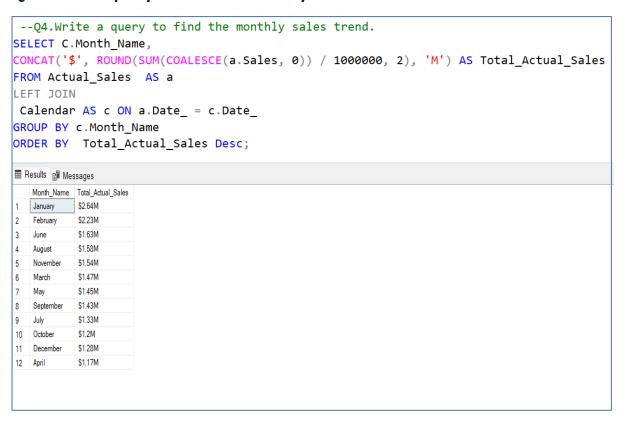
FROM Actual_Sales AS a

LEFT JOIN Target_Sale AS t ON a.Date_ = t.Date_;

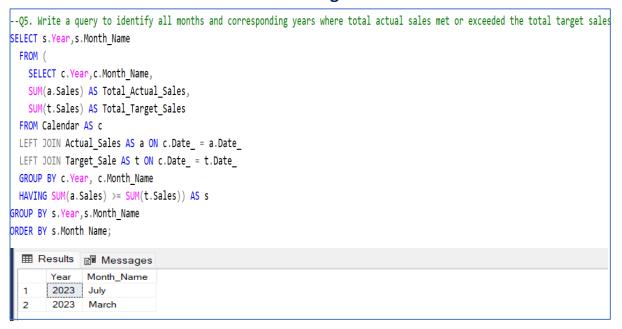
## Results @ Messages

| Sales_Difference_Pct
| 1 | 19%
```

#### Q4. Write a query to find the monthly sales trend.



## Q5. Write a query to identify all months and corresponding years where total actual sales met or exceeded the total target sales.



# Q6. Identify the salesperson with the highest sales who achieved or surpassed their individual target.

