QUESTIONS USED TO PULL THE DATA

Beginner Level

1. Retrieve the first 5 rows from the order\_details table.
2. Count the total number of records in the data.
3. List all unique item\_ids present in the orders.
4. Find the number of orders recorded on '01-01-2023'.
5. Retrieve all order details where item\_id is NULL.
6. Count number of different order\_ids.
7. Get all orders placed after 12 PM.
8. Find the earliest and latest order\_date in the data.

Intermediate Level

1. How many orders contained more than 5 items
2. The most frequently ordered item\_id
3. List the top 5 order\_ids based on the number of items per order.
4. Day of the week had the highest number of orders
5. Find the number of orders for each month.
6. Identify the hour with the highest order placement.
7. For each item\_id, count the number of times it appears in the data.
8. List all orders where item\_id=101.0 and order\_date is in February 2023.

Advance Level

1. Order that had the highest number of items, and the items
2. Date on which was the highest number of orders placed
3. The proportion of orders have NULL in item\_id
4. List the distribution of orders by hour, bucketed as Morning, Afternoon, Evening.
5. For each day of the week, average number of items per order.
6. Item\_id is most popular on weekends vs weekdays
7. Moving average of daily total orders (7-day window)
8. All order\_ids that span more than one day (if any).