# Walmart

As a Data Analyst for the Walmart Photo Center team, you are tasked with evaluating the performance of personalized photo gifts....

Question 1: For each personalized photo gift product, what is the total quantity purchased in April 2024? This result will provide a clear measure of product performance for our inventory strategies.

```sql
SELECT
  product_id,
  SUM(quantity) AS total_quantity
FROM fct_photo_gift_sales
WHERE purchase_date BETWEEN DATE '2024-04-01' AND DATE '2024-0
4-30'
GROUP BY product_id;
```

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Question 2: What is the maximum number of personalized photo gifts purchased in a single transaction during April 2024? This information will highlight peak purchasing behavior for individual transactions.

```sql
SELECT MAX(total_quantity) AS max_quantity
FROM (
  SELECT
    transaction_id,
    SUM(quantity) AS total_quantity
  FROM fct_photo_gift_sales
  WHERE purchase_date BETWEEN DATE '2024-04-01' AND DATE '2024-04-30'
  GROUP BY transaction_id
) AS txn_totals;
```

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Question 3: What is the overall average number of personalized photo gifts purchased per customer during April 2024? That is, for each customer, calculate the total number of personalized photo gifts they purchased in April 2024 — then return the average of those values across all customer.

```sql
SELECT AVG(total_quantity) AS average_quantity
FROM (
  SELECT
    customer_id,
    SUM(quantity) AS total_quantity
  FROM fct_photo_gift_sales
  WHERE purchase_date BETWEEN DATE '2024-04-01' AND DATE '2024
-04-30'
  GROUP BY customer_id
) AS cust_totals;
```