Uber

You are a Product Analyst on the Uber Eats team investigating delivery partner performance....

Question 1: What is the percentage of orders delivered on time in January 2024? Consider an order on time if its actual_delivery_time is less than or equal to its expected_delivery_time. This will help us assess overall tracking precision.

```
WITH total AS (
  SELECT *,
         CASE WHEN actual_delivery_time <= expected_delivery_t
ime THEN 1 ELSE 0 END AS on_time
  FROM fct_orders
  WHERE order_date BETWEEN DATE '2024-01-01' AND DATE '2024-01
-31'
)
SELECT ROUND(SUM(on_time) * 100.0 / COUNT(*), 2) AS on_time_pe
rcentage
FROM total;
```

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Question 2: List the top 5 delivery partners in January 2024 ranked by the highest percentage of on-time deliveries. Use the delivery_partner_name field from the records. This will help us identify which partners perform best.

```
WITH total AS (
  SELECT *,
         CASE WHEN actual_delivery_time <= expected_delivery_t
ime THEN 1 ELSE 0 END AS on_time
  FROM fct_orders
  WHERE order_date BETWEEN DATE '2024-01-01' AND DATE '2024-01
-31'
)
SELECT delivery_partner_name, ROUND(SUM(on_time) * 100.0 / COU
NT(*), 2) AS on_time_percentage
FROM total
GROUP BY delivery_partner_name
ORDER BY 2 DESC
LIMIT 5
```

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Question 3: Identify the delivery partner(s) in January 2024 whose on-time delivery percentage is below 50%. Return their partner names in uppercase. We need to work with these delivery partners to improve their on-time delivery rates.

```sql
WITH total AS (
  SELECT *,
         CASE WHEN actual_delivery_time <= expected_delivery_t
ime THEN 1 ELSE 0 END AS on_time
  FROM fct_orders
  WHERE order_date BETWEEN DATE '2024-01-01' AND DATE '2024-01
-31'
)
SELECT UPPER(delivery_partner_name), ROUND(SUM(on_time) * 100.
0 / COUNT(*), 2) AS on_time_percentage
FROM total
GROUP BY delivery_partner_name
HAVING ROUND(SUM(on_time) * 100.0 / COUNT(*), 2) < 50
```