QUESTION

Home Address Transaction Analysis [559]



10 Points

Given a table of transactions and a table of users, write a query to determine if users tend to order more to their primary address versus other addresses.

Note: Return the percentage of transactions ordered to their home address as home_address_percent.

Output Schema:

Column	Туре
home_address_percent	FLOAT

TABLE SCHEMA

```
2 id INT PRIMARY KEY,
3 user_id INT,
4 created_at DATETIME,
5 shipping_address VARCHAR(255)
9 INSERT INTO transactions (id, user_id, created_at, shipping_address) VALUES
19 id INT PRIMARY KEY,
25 INSERT INTO users (id, name, address) VALUES
28 (3, 'Alice Johnson', '789 Oak Ave');
```

SOLUTION

```
SELECT
ROUND(

100.0 * SUM(CASE WHEN t.shipping_address = u.address THEN 1 ELSE 0 END) / COUNT(*),

2
) AS home_address_percent
FROM
transactions t
JOIN
users u ON t.user_id = u.id
```

OUTPUT

```
▼ Tables

home_address_percent

42.86
```

My Thought Process:

I joined the two tables on the user ID, compared the shipping and home addresses, and used a CASE WHEN to count the number of matches. Then I calculated the percentage and used ROUND() to keep it clean. I also made sure to use * 1.0 to avoid any integer division issues.

Business Impact:

Identifying users who often ship to different addresses might reveal shared accounts or group purchasing behavior, opening doors for new features like "multi-user profiles" or "group coupons" suggestions.