QUESTION

Inactive Users Percentage

Easy

10 Points

You're given two tables: users and events. The events table holds values of all of the user events in the action column (*'like', 'comment', or 'post'*).

Write a query to get the **percentage** of users that have never liked or commented, rounded to two decimal places.

Output Schema:

Column	Type
percentage	FLOAT

TABLE SCHEMA

```sql
CREATE TABLE transactions (
id INT PRIMARY KEY,
credit_card VARCHAR(20),
merchant VARCHAR(50),
amount DECIMAL(10, 2),
transaction_time DATETIME
);

INSERT INTO transactions (id, credit_card, merchant, amount, transaction_time)
VALUES
(1, '1234-5678-9876', 'Amazon', 50.00, '2025-01-23 10:15:00'),
(2, '1234-5678-9876', 'Amazon', 50.00, '2025-01-23 10:20:00'),
(3, '5678-1234-8765', 'Walmart', 30.00, '2025-01-23 11:00:00'),
(4, '1234-5678-9876', 'Amazon', 50.00, '2025-01-23 10:30:00'),
(5, '5678-1234-8765', 'Walmart', 30.00, '2025-01-23 11:05:00'),
(6, '8765-4321-1234', 'BestBuy', 100.00, '2025-01-23 12:00:00'),
(7, '1234-5678-9876', 'Amazon', 50.00, '2025-01-23 12:10:00');
```

SOLUTION

Day 1

```sql
select round(count(user_id) * 100/ (select count(user_id) from users),2) as
percentage
from users
where user_id not in (select distinct user_id from events where action
in('like','comment'))
```

OUTPUT

My Thought Process:

First, I filtered out the users who had either liked or commented by selecting their user IDs from the events table. Then, I used a NOT IN clause with a subquery to find all the users who weren't in that list meaning they never liked or commented. Finally, I calculated the percentage of those users out of the total and rounded it using the ROUND () function. It was a simple yet insightful way to combine filtering and aggregation in SQL.