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Final Account Balance

Description

Solution

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Easy

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Given a table of bank deposits and withdrawals, return the final balance for each account.

Assumption:

- All the transactions performed for each account are present in the table; no transactions are missing.

transactions Table:

Column Name	Type
transaction_id	integer
account_id	integer
transaction_type	varchar
amount	decimal

transactions Example Input:

transaction_id	account_id	transaction_type	amount
123	101	Deposit	10.00
124	101	Deposit	20.00
125	101	Withdrawal	5.00
126	201	Deposit	20.00
128	201	Withdrawal	10.00

Example Output:

account_id	final_balance
101	25.00
201	10.00

```
1 SELECT account_id,
2 SUM(CASE WHEN transaction_type = 'Deposit' THEN amount ELSE -amount END)
3 AS final_balance
4 FROM transactions GROUP BY account_id;
```

PostgreSQL 14

Run Code

Submit