

1 SELECT \* FROM table1;

Data OutputMessagesNotifications

	id_client [PK] integer	value money
1	1	24,00 ?
2	2	13,00 ?
3	3	2,00 ?
4	4	5,00 ?

Рисунок 1: Данные таблицы 1

1SELECT \* FROM table2;

Data OutputMessagesNotifications

	id_client integer	doc_date date	amount money	caption character varying (10)
1	1	2005-10-19	9,00 ?	wj
2	1	2005-10-22	3,00 ?	ek
3	1	2005-10-04	8,00 ?	rl
4	1	2005-10-18	6,00 ?	tz
5	1	2005-09-29	5,00 ?	yx
6	2	2005-10-21	6,00 ?	iv
7	2	2005-10-18	45,00 ?	ob
8	3	2005-10-30	4,00 ?	pn
9	3	2005-10-28	2,00 ?	am
10	4	2005-10-21	4,00 ?	sq
11	4	2005-10-23	6,00 ?	dw
12	4	2005-10-23	8,00 ?	fe
13	4	2005-10-23	9,00 ?	gr
14	1	2005-10-24	5,00 ?	qh
15	2	2005-10-23	11,00 ?	uc

Рисунок 2: Данные таблицы 2

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1 create or replace view full_data as
2 SELECT table2.id_client, table2.doc_date, table2.amount, table2.caption, table1.value,
3 coalesce(sum(table2.amount) over (partition by table2.id_client order by doc_date desc rows between unbounded preceding and current row),
4 0::int::numeric::money) as sum_amount
5 FROM table2 join table1 on table2.id_client = table1.id_client order by table1.id_client asc, table2.doc_date desc;
6
7 create or replace view full_data_and_balance as select *,
8 case when sum_amount<value then amount else
9 value - case when LAG(sum_amount) OVER(partition by id_client) is not null
10 then LAG(sum_amount) OVER(partition by id_client) else 0::int::numeric::money end
11 end as sum_or_balance from full_data;
12
13 select id_client, doc_date, sum_or_balance, caption
14 from full_data_and_balance where sum_or_balance>0::int::numeric::money;

```

Data Output

Messages

Notifications

	id_client integer	doc_date date	sum_or_balance money	caption character varying (10)
1	1	2005-10-24	5,00 ?	qh
2	1	2005-10-22	3,00 ?	ek
3	1	2005-10-19	9,00 ?	wj
4	1	2005-10-18	6,00 ?	tz
5	1	2005-10-04	1,00 ?	rl
6	2	2005-10-23	11,00 ?	uc
7	2	2005-10-21	2,00 ?	iv
8	3	2005-10-30	2,00 ?	pn
9	4	2005-10-23	5,00 ?	dw

Рисунок 3: Запрос, согласно заданию и результат его выполнения