

Customer Who Visited but Did Not Make Any Transactions

Table: Visits

Column Name	Type
visit_id	int
customer_id	int

visit_id is the primary key for this table.

This table contains information about the customers who visited the mall.

Table: Transactions

Column Name	Type
transaction_id	int
visit_id	int
amount	int

transaction_id is the primary key for this table.

This table contains information about the transactions made during the visit_id.

Write an SQL query to find the IDs of the users who visited without making any transactions and the number of times they made these types of visits.

Return the result table sorted in any order.

The query result format is in the following example.

Example 1:

Input:

Visits

visit_id	customer_id
1	23
2	9
4	30
5	54
6	96

7	54	
8	54	
+-----+		

Transactions

+-----+		
transaction_id	visit_id	amount
+-----+		
2	5	310
3	5	300
9	5	200
12	1	910
13	2	970
+-----+		

Output:

+-----+	
customer_id	count_no_trans
+-----+	
54	2
30	1
96	1
+-----+	

Explanation:

Customer with id = 23 visited the mall once and made one transaction during the visit with id = 12.

Customer with id = 9 visited the mall once and made one transaction during the visit with id = 13.

Customers with id = 30 visited the mall once and did not make any transactions.

Customers with id = 54 visited the mall three times. During 2 visits they did not make any transactions, and during one visit they made 3 transactions.

Customers with id = 96 visited the mall once and did not make any transactions.

As we can see, users with IDs 30 and 96 visited the mall one time without making any transactions. Also, user 54 visited the mall twice and did not make any transactions.

Solution:

```
select customer_id, count(*) as count_no_trans
from Visits where visit_id not in ( select distinct visit_id from Transactions)
group by customer_id order by count_no_trans desc;
```