

262. Trips and Users

Description

Table: Trips

Column Name	Type	
id	int	
client_id	int	
driver_id	int	
city_id	int	
status	enum	
request_at	date	

id is the primary key (column with unique values) for this table.

The table holds all taxi trips. Each trip has a unique id, while client_id and driver_id are foreign keys to the users_id at the Users table.

Status is an ENUM (category) type of ('completed', 'cancelled_by_driver', 'cancelled_by_client').

Table: Users

Column Name	Type	
users_id	int	
banned	enum	
role	enum	

users_id is the primary key (column with unique values) for this table.

The table holds all users. Each user has a unique users_id, and role is an ENUM type of ('client', 'driver', 'partner').

banned is an ENUM (category) type of ('Yes', 'No').

The **cancellation rate** is computed by dividing the number of canceled (by client or driver) requests with unbanned users by the total number of requests with unbanned users on that day.

Write a solution to find the **cancellation rate** of requests with unbanned users (**both client and driver must not be banned**) each day between "2013-10-01" and "2013-10-03". Round **Cancellation Rate** to **two decimal** points.

Return the result table in **any order**.

The result format is in the following example.

Example 1:

Input:

Trips table:

id	client_id	driver_id	city_id	status	request_at
1	1	10	1	completed	2013-10-01
2	2	11	1	cancelled_by_driver	2013-10-01
3	3	12	6	completed	2013-10-01
4	4	13	6	cancelled_by_client	2013-10-01
5	1	10	1	completed	2013-10-02
6	2	11	6	completed	2013-10-02
7	3	12	6	completed	2013-10-02
8	2	12	12	completed	2013-10-03
9	3	10	12	completed	2013-10-03
10	4	13	12	cancelled_by_driver	2013-10-03

Users table:

users_id	banned	role
1	No	client
2	Yes	client
3	No	client
4	No	client
10	No	driver
11	No	driver
12	No	driver
13	No	driver

Output:

Day	Cancellation Rate
2013-10-01	0.33
2013-10-02	0.00
2013-10-03	0.50

Explanation:

On 2013-10-01:

- There were 4 requests in total, 2 of which were canceled.
- However, the request with Id=2 was made by a banned client (User_Id=2), so it is ignored in the calculation.
- Hence there are 3 unbanned requests in total, 1 of which was canceled.
- The Cancellation Rate is (1 / 3) = 0.33

On 2013-10-02:

- There were 3 requests in total, 0 of which were canceled.
- The request with Id=6 was made by a banned client, so it is ignored.
- Hence there are 2 unbanned requests in total, 0 of which were canceled.
- The Cancellation Rate is (0 / 2) = 0.00

On 2013-10-03:

- There were 3 requests in total, 1 of which was canceled.
- The request with Id=8 was made by a banned client, so it is ignored.
- Hence there are 2 unbanned request in total, 1 of which were canceled.
- The Cancellation Rate is (1 / 2) = 0.50

