262. Trips and Users

Description

Table: Trips

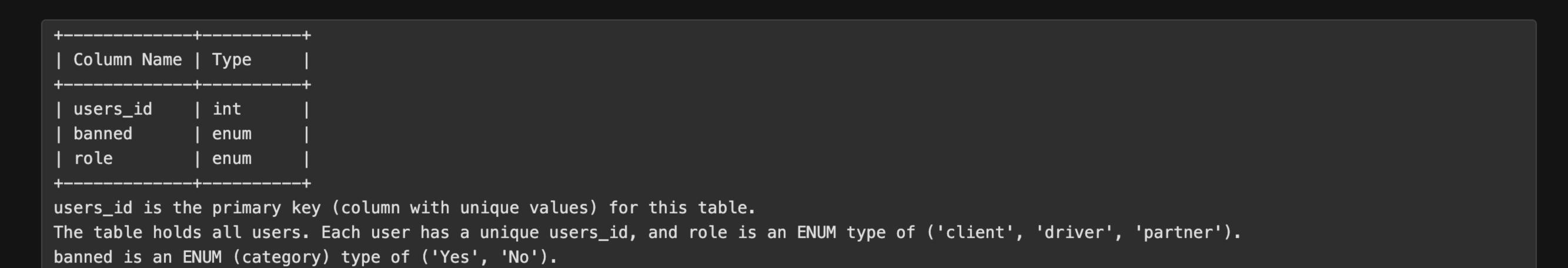
+	+	+
Column Name	Type	- 1
+	+	+
id	int	- 1
client_id	int	- 1
driver_id	int	
city_id	int	- 1
status	enum	
request_at	date	1
1 . 04400 - 4.	1 44.55	٠,

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



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:

<pre>Input: Trips table:</pre>							
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	
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:

+	+-		-4
Day	Τ	Cancellation Rate	١
+	· +-		-+
2013-10-01	Ī	0.33	١
2013-10-02	Ī	0.00	
2013-10-03	Ī	0.50	
4			

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