SQL LEETCODE PROBLEMS

QUESTION 10

Trips and Users

-- Mayuri D.

Data--

Find the cancellation rate of requests with unbanned users (both clients and driver must not be banned) each day between '2013-10-01' and '2013-10-03'. round cancellation rate to two decimal points.
the cancellation rate is computed by dividing the number of canceled (client/driver) requests with unbanned users by the total number of requests with unbanned users on that day

```
14 •  SELECT * FROM trips;
```

Result Grid | Filter Rows: | Export: | Wrap Cell C

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

```
15 •  SELECT * FROM users1;
```

Result Grid | Filter Rows:

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

Check banned users and get unbanned users

```sql
SELECT *
FROM trips t
INNER JOIN users1 u ON t.client_id = u.users_id -- banned users
INNER JOIN users1 us ON t.driver_id = us.users_id -- banned driver
WHERE u.banned = 'No' AND us.banned = 'No'
;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

id	client_id	driver_id	city_id	status	request_at	users_id	banned	role	users_id	banned	role
1	1	10	1	completed	2013-10-01	1	No	client	10	No	driver
3	3	12	6	completed	2013-10-01	3	No	client	12	No	driver
4	4	13	6	cancelled_by_client	2013-10-01	4	No	client	13	No	driver
5	1	10	1	completed	2013-10-02	1	No	client	10	No	driver
7	3	12	6	completed	2013-10-02	3	No	client	12	No	driver
9	3	10	12	completed	2013-10-03	3	No	client	10	No	driver
10	4	13	12	cancelled_by_driver	2013-10-03	4	No	client	13	No	driver

```sql
SELECT request_at,
COUNT(CASE WHEN STATUS IN ('cancelled_by_client','cancelled_by_driver')
        THEN 1 ELSE NULL END) AS cancelled_trip_count,
COUNT(1) AS total_trips,
1.0 * COUNT(CASE WHEN STATUS IN ('cancelled_by_client','cancelled_by_driver')
        THEN 1 ELSE NULL END) / COUNT(1) * 100 AS cancelled_percent
FROM trips t
INNER JOIN users1 u ON t.client_id = u.users_id -- banned users
INNER JOIN users1 us ON t.driver_id = us.users_id -- banned driver
WHERE u.banned = 'No' AND us.banned = 'No'
GROUP BY request_at
;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

request_at	cancelled_trip_count	total_trips	cancelled_percent
2013-10-01	1	3	33.33333
2013-10-02	0	2	0.00000
2013-10-03	1	2	50.00000

THANK YOU

-- Mayuri D.