

Table: Signups

| Column Name | Type |
|-------------|----------|
| user_id | int |
| time_stamp | datetime |

user_id is the primary key for this table.

Each row contains information about the signup time for the user with ID user_id.

Table: Confirmations

| Column Name | Type |
|-------------|----------|
| user_id | int |
| time_stamp | datetime |
| action | ENUM |

(user_id, time_stamp) is the primary key for this table.

user_id is a foreign key with a reference to the Signups table.

action is an ENUM of the type ('confirmed', 'timeout')

Each row of this table indicates that the user with ID user_id requested a confirmation message.

The **confirmation rate** of a user is the number of 'confirmed' messages divided by the total number of requested confirmation messages. The confirmation rate of a user that did not request any confirmation messages is 0. Round the confirmation rate to **two decimal** places.

Write an SQL query to find the **confirmation rate** of each user.

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

The query result format is in the following example.

Example 1:**

Input:

Signups table:

| user_id | time_stamp |
|---------|------------|
|---------|------------|

| | | |
|---|---------------------|--|
| 3 | 2020-03-21 10:16:13 | |
| 7 | 2020-01-04 13:57:59 | |
| 2 | 2020-07-29 23:09:44 | |
| 6 | 2020-12-09 10:39:37 | |

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Confirmations table:

| user_id | time_stamp | action | |
|---------|---------------------|-----------|--|
| 3 | 2021-01-06 03:30:46 | timeout | |
| 3 | 2021-07-14 14:00:00 | timeout | |
| 7 | 2021-06-12 11:57:29 | confirmed | |
| 7 | 2021-06-13 12:58:28 | confirmed | |
| 7 | 2021-06-14 13:59:27 | confirmed | |
| 2 | 2021-01-22 00:00:00 | confirmed | |
| 2 | 2021-02-28 23:59:59 | timeout | |

Output:

| user_id | confirmation_rate | |
|---------|-------------------|--|
| 6 | 0.00 | |
| 3 | 0.00 | |
| 7 | 1.00 | |
| 2 | 0.50 | |

Explanation:

User 6 did not request any confirmation messages. The confirmation rate is 0.

User 3 made 2 requests and both timed out. The confirmation rate is 0.

User 7 made 3 requests and all were confirmed. The confirmation rate is 1.

User 2 made 2 requests where one was confirmed and the other timed out. The confirmation rate is 0.5.