# 1939. Users That Actively Request Confirmation Messages Premium

Easy Topics

SQL Schema > Pandas Schema >

Table: `Signups`

```
+----------------+----------+
| Column Name    | Type     |
+----------------+----------+
| user_id        | int      |
| time_stamp     | datetime |
+----------------+----------+
user_id is the column with unique values 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 (combination of columns with unique values) for this table.
user_id is a foreign key (reference column) to the Signups table.
action is an ENUM (category) of the type ('confirmed', 'timeout')
Each row of this table indicates that the user with ID user_id requested a confirmation message at time_stamp and that confirmation message was either confirmed
('confirmed') or expired without confirming ('timeout').
```

Write a solution to find the IDs of the users that requested a confirmation message **twice** within a 24-hour window. Two messages exactly 24 hours apart are considered to be within the window. The `action` does not affect the answer, only the request time.

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

The 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 |

Confirmations table:

| user_id | time_stamp | action |
|---|---|---|
| 3 | 2021-01-06 03:30:46 | timeout |
| 3 | 2021-01-06 03:37:45 | timeout |
| 7 | 2021-06-12 11:57:29 | confirmed |
| 7 | 2021-06-13 11:57:30 | confirmed |
| 2 | 2021-01-22 00:00:00 | confirmed |
| 2 | 2021-01-23 00:00:00 | timeout |
| 6 | 2021-10-23 14:14:14 | confirmed |
| 6 | 2021-10-24 14:14:13 | timeout |

**Output:**

| user_id |
|---|
| 2 |
| 3 |
| 6 |

**Explanation:**

User 2 requested two messages within exactly 24 hours of each other, so we include them.
User 3 requested two messages within 6 minutes and 59 seconds of each other, so we include them.
User 6 requested two messages within 23 hours, 59 minutes, and 59 seconds of each other, so we include them.
User 7 requested two messages within 24 hours and 1 second of each other, so we exclude them from the answer.

Seen this question in a real interview before? 1/5

Yes No

Accepted **11.9K** | Submissions **21.1K** | Acceptance Rate **56.3%**

Topics

Database

Discussion (3)