

Problem List

RunSubmit

DescriptionEditorSolutionsSubmissions

1939. Users That Actively Request Confirmation Messages

Premium

Solved

EasyTopics

SQL SchemaPandas 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

YesNo

Accepted10.9KSubmissions19.3KAcceptance Rate56.3%

Topics

Discussion (3)

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</> Code

MySQLAuto

1# Write your MySQL query statement below

2

3

4SELECT DISTINCT a.user_id FROM Confirmations a, Confirmations b

5WHERE a.user_id = b.user_id AND b.time_stamp - a.time_stamp <= 1000000 AND b.time_stamp > a.time_stamp

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TestcaseTest Result

AcceptedRuntime: 370 ms

Case 1

Input

Signups =

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 =

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