SQL Schema

Table: Signups

+----------------+----------+

| Column Name | Type |

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| user\_id | int |

| time\_stamp | datetime |

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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

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| Column Name | Type |

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| user\_id | int |

| time\_stamp | datetime |

| action | ENUM |

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(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 at time\_stamp and that confirmation message was either confirmed ('confirmed') or expired without confirming ('timeout').

Write an SQL query 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 query result format is in the following example:

Signups table:

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| 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:

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| 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 |

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Result table

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| user\_id |

+---------+

| 2 |

| 3 |

| 6 |

+---------+

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.