SQL Schema

Table: Listens

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

| Column Name | Type |

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

| user\_id | int |

| song\_id | int |

| day | date |

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

There is no primary key for this table. It may contain duplicates.

Each row of this table indicates that the user user\_id listened to the song song\_id on the day day.

Table: Friendship

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| Column Name | Type |

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

| user1\_id | int |

| user2\_id | int |

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

(user1\_id, user2\_id) is the primary key for this table.

Each row of this table indicates that the users user1\_id and user2\_id are friends.

Note that user1\_id < user2\_id.

Write an SQL query to report the similar friends of Leetcodify users. A user x and user y are similar friends if:

* Users x and y are friends, and
* Users x and y listened to the same three or more different songs **on the same day**.

Return the result table in **any order**. Note that you must return the similar pairs of friends the same way they were represented in the input (i.e., always user1\_id < user2\_id).

The query result format is in the following example:

Listens table:

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

| user\_id | song\_id | day |

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

| 1 | 10 | 2021-03-15 |

| 1 | 11 | 2021-03-15 |

| 1 | 12 | 2021-03-15 |

| 2 | 10 | 2021-03-15 |

| 2 | 11 | 2021-03-15 |

| 2 | 12 | 2021-03-15 |

| 3 | 10 | 2021-03-15 |

| 3 | 11 | 2021-03-15 |

| 3 | 12 | 2021-03-15 |

| 4 | 10 | 2021-03-15 |

| 4 | 11 | 2021-03-15 |

| 4 | 13 | 2021-03-15 |

| 5 | 10 | 2021-03-16 |

| 5 | 11 | 2021-03-16 |

| 5 | 12 | 2021-03-16 |

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

Friendship table:

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

| user1\_id | user2\_id |

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

| 1 | 2 |

| 2 | 4 |

| 2 | 5 |

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

Result table:

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

| user1\_id | user2\_id |

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

| 1 | 2 |

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

Users 1 and 2 are friends, and they listened to songs 10, 11, and 12 on the same day. They are similar friends.

Users 1 and 3 listened to songs 10, 11, and 12 on the same day, but they are not friends.

Users 2 and 4 are friends, but they did not listen to the same three different songs.

Users 2 and 5 are friends and listened to songs 10, 11, and 12, but they did not listen to them on the same day.