

1919. Leetcodeify Similar Friends Premium

Hard Topics Companies

SQL Schema > Pandas Schema >

Table: Listens

Column Name	Type	
user_id	int	
song_id	int	
day	date	

This table may contain duplicate rows.
Each row of this table indicates that the user user_id listened to the song song_id on the day day.

Table: Friendship

Column Name	Type	
user1_id	int	
user2_id	int	

(user1_id, user2_id) is the primary key (combination of columns with unique values) 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 a solution to report the similar friends of Leetcodeify 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 result format is in the following example.

Example 1:

Input:
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

Output:

user1_id	user2_id
1	2

Explanation:
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.

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

Yes No

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