

3058. Friends With No Mutual Friends Premium

Medium  Topics

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Table: `Friends`

Column Name	Type
user_id1	int
user_id2	int

(user_id1, user_id2) is the primary key (combination of columns with unique values) for this table.
Each row contains user id1, user id2, both of whom are friends with each other.

Write a solution to find **all pairs** of users who are friends with each other and have **no mutual** friends.

Return *the result table ordered by* `user_id1`, `user_id2` *in **ascending** order.*

The result format is in the following example.

Example 1:

Input:
Friends table:

user_id1	user_id2
1	2
2	3
2	4
1	5
6	7
3	4
2	5
8	9

Output:

user_id1	user_id2
6	7
8	9

Explanation:

- Users 1 and 2 are friends with each other, but they share a mutual friend with user ID 5, so this pair is not included.
- Users 2 and 3 are friends, they both share a mutual friend with user ID 4, resulting in exclusion, similarly for users 2 and 4 who share a mutual friend with user ID 3, hence not included.
- Users 1 and 5 are friends with each other, but they share a mutual friend with user ID 2, so this pair is not included.
- Users 6 and 7, as well as users 8 and 9, are friends with each other, and they don't have any mutual friends, hence included.
- Users 3 and 4 are friends with each other, but their mutual connection with user ID 2 means they are not included, similarly for users 2 and 5 are friends but are excluded due to their mutual connection with user ID 1.

Output table is ordered by user_id1 in ascending order.

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

Yes No

Accepted 1.5K | Submissions 3K | Acceptance Rate 49.5%

 Topics

Database

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