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602. Friend Requests II: Who Has Most Friend?

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In social network like Facebook or Twitter, people send friend requests and accept others' requests as well.

Table request_accepted

```
| requester_id | accepter_id | accept_date|
                        2016 06-03
                          2016-06-08
2
             3
                          2016-06-08
                          2016-06-09
This table holds the data of friend acceptance, while requester_id and accepter_id bot
```

 It is guaranteed there is only 1 people having the most friends. • The friend request could only been accepted once, which mean there is no multiple records with the

Write a query to find the the people who has most friends and the most friends number under the following

- same requester_id and accepter_id value.
- For the sample data above, the result is:

+----+

Result table:

```
id num
  |-----|
 3 3
 The person with id '3' is a friend of people '1', '2' and '4', so he has 3 friends in
Follow-up:
In the real world, multiple people could have the same most number of friends, can you find all these people
```

in this case?

rules:

Approach: Union requester_id and accepter_id [Accepted]

Solution

Being friends is bidirectional, so if one person accepts a request from another person, both of them will have

select requester_id as ids from request_accepted

Taking the sample as an example, the output is:

select ids as id, cnt as num

select ids, count(*) as cnt

from

one more friend.

union all

Algorithm

Thus, we can union column requester_id and accepter_id, and then count the number of the occurrence of each person.

select accepter_id from request_accepted;

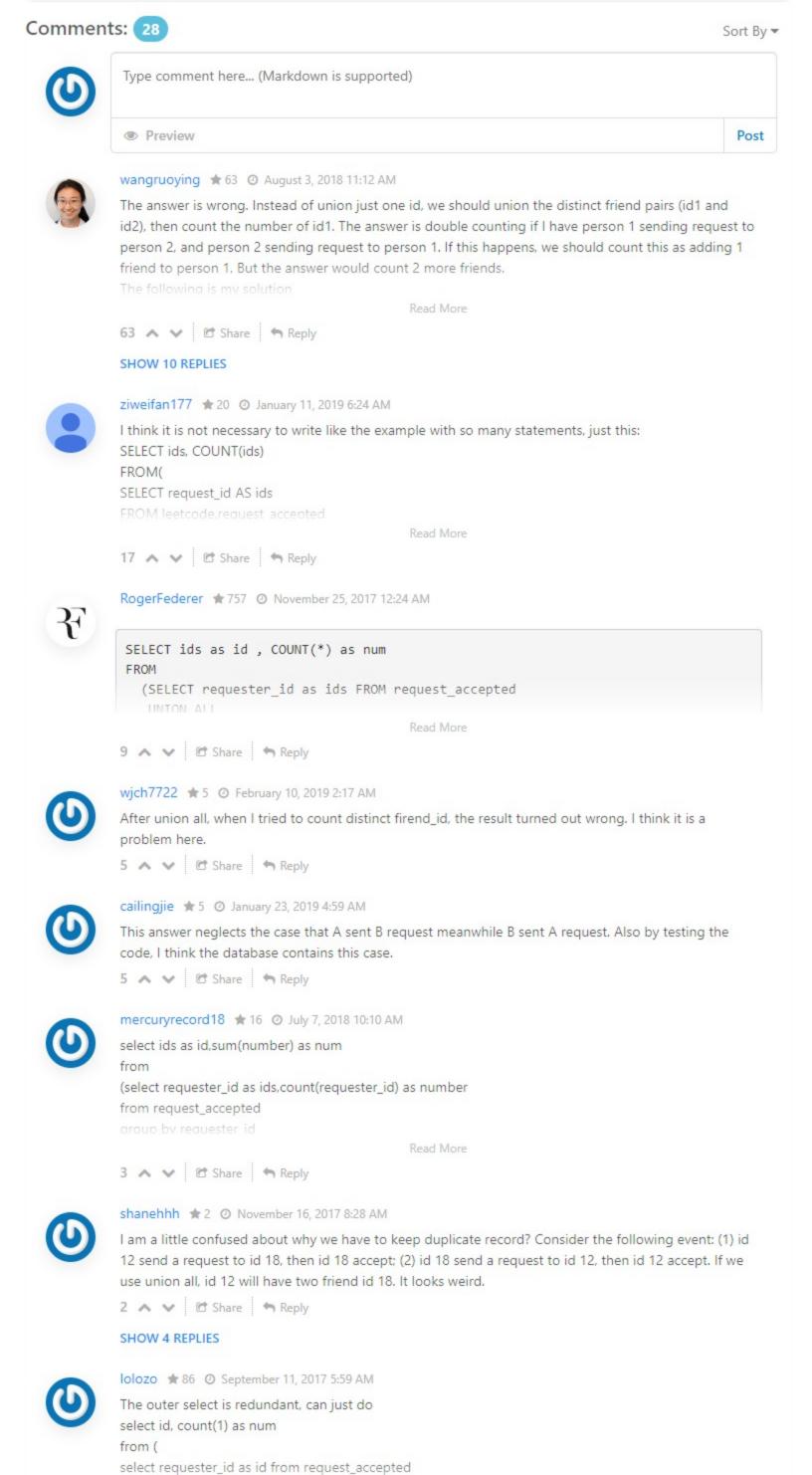
```
Note: Here we should use union all instead of union because union all will keep all the
records even the 'duplicated' one.
```

ids 1

```
2
 3
 2
 3
 3
 4
Then it will be fairly easy to get the 'ids' with most occurrence using the same technique as mentioned in
problem 580. Customer Placing the Largest Number of Orders.
MySQL
```

from

```
select requester_id as ids from request_accepted
          union all
          select accepter_id from request_accepted
      ) as tbl1
     group by ids
     ) as tbl2
 order by cnt desc
 limit 1
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```



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1 A V C Share Reply

ye42 * 1 @ July 24, 2018 4:39 AM

Need to remove duplicates.

SELECT requester_id as id

1 A V C Share Share

SELECT id, COUNT(*)

FROM (

SHOW 1 REPLY

(123)

union all

andalusia * 1 @ November 2, 2018 8:11 PM

(select requester_id as ids from request_accepted

select accepter_id as ids from request_accepted)

select ids as id, count() as num from