

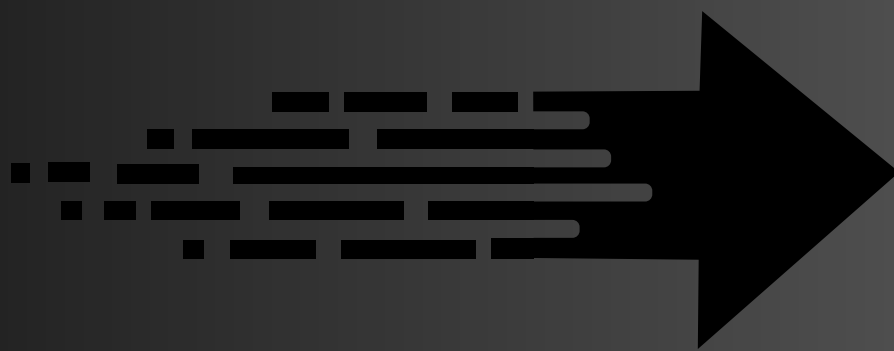


LeetCode

50 Days 50 SQL Questions
Work In Progress

Day 40/50

***40. Friend Requests II:
Who has the most
friends***





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Question

Write a solution to find the people who have the most friends and the most friends number.

The test cases are generated so that only one person has the most friends.





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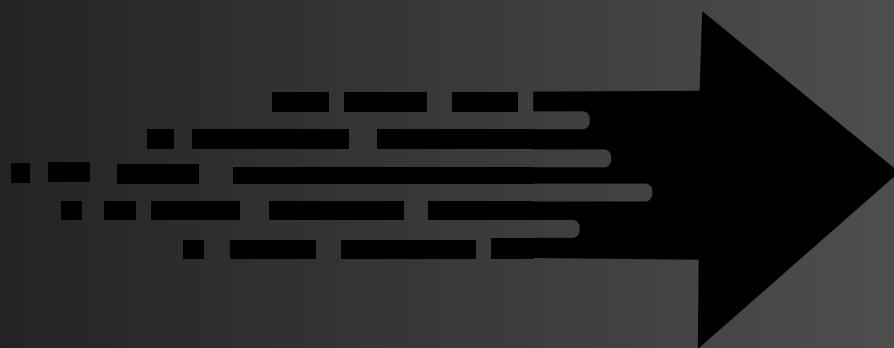
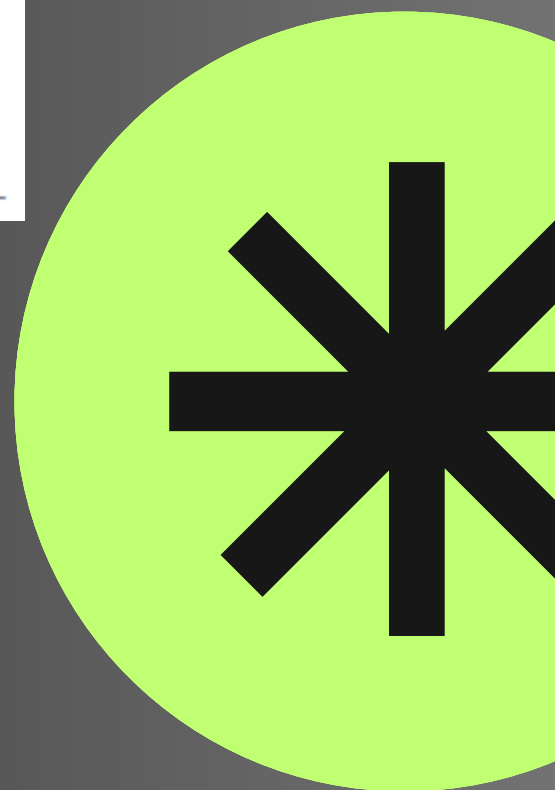
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Table

Input:

RequestAccepted table:

| requester_id | accepter_id | accept_date |
|--------------|-------------|-------------|
| 1 | 2 | 2016/06/03 |
| 1 | 3 | 2016/06/08 |
| 2 | 3 | 2016/06/08 |
| 3 | 4 | 2016/06/09 |





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Approach

Used a CTE to make a list of all the requester_id and acceptor_id with UNION ALL because we want duplicates. Then used the id from CTE & COUNT the number of ids and grouping it by id to know the number of friends each users have. and ordering it in DESC, selecting 1 row only.





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Query

MySQL Auto

```
1  # Write your MySQL query statement below
2  WITH CTE AS
3      (SELECT requester_id AS id
4       FROM RequestAccepted
5       UNION ALL
6       SELECT acceptor_id
7       FROM RequestAccepted)
8
9  SELECT id, COUNT(id) AS num FROM CTE
10 GROUP BY id
11 ORDER BY num DESC LIMIT 1;
```





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Output

Output:

| | | | |
|--|----|--|-----|
| | | | |
| | id | | num |
| | 3 | | 3 |
| | | | |





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thoughts in the
comment section*

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Thank You :)

