

# Problem 602: Friend Requests II: Who Has the Most Friends

## Problem Information

Difficulty: Medium

Acceptance Rate: 0.00%

Paid Only: No

## Problem Description

Table:

RequestAccepted

+-----+-----+ | Column Name | Type | +-----+-----+ | requester\_id | int || accepter\_id | int || accept\_date | date | +-----+-----+ (requester\_id, accepter\_id) is the primary key (combination of columns with unique values) for this table. This table contains the ID of the user who sent the request, the ID of the user who received the request, and the date when the request was accepted.

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.

The result format is in the following example.

Example 1:

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 | +-----+-----+-----+

Output:

```
+---+----+ | id | num | +---+----+ | 3 | 3 | +---+----+
```

Explanation:

The person with id 3 is a friend of people 1, 2, and 4, so he has three friends in total, which is the most number than any others.

Follow up:

In the real world, multiple people could have the same most number of friends. Could you find all these people in this case?

## Code Snippets

**MySQL:**

```
# Write your MySQL query statement below
```

**MS SQL Server:**

```
/* Write your T-SQL query statement below */
```

**PostgreSQL:**

```
-- Write your PostgreSQL query statement below
```

**Oracle:**

```
/* Write your PL/SQL query statement below */
```

**Pandas:**

```
import pandas as pd

def most_friends(request_accepted: pd.DataFrame) -> pd.DataFrame:
```

## Solutions

**MySQL Solution:**

```
# Write your MySQL query statement below
```

**MS SQL Server Solution:**

```
/* Write your T-SQL query statement below */
```

**PostgreSQL Solution:**

```
-- Write your PostgreSQL query statement below
```

**Oracle Solution:**

```
/* Write your PL/SQL query statement below */
```

**Pandas Solution:**

```
import pandas as pd

def most_friends(request_accepted: pd.DataFrame) -> pd.DataFrame:
```