

Problem 1699: Number of Calls Between Two Persons

Problem Information

Difficulty: Medium

Acceptance Rate: 80.84%

Paid Only: Yes

Tags: Database

Problem Description

Table: `Calls`

+-----+-----+ | Column Name | Type | +-----+-----+ | from_id | int | | to_id | int |
| duration | int | +-----+-----+ This table does not have a primary key (column with
unique values), it may contain duplicates. This table contains the duration of a phone call
between from_id and to_id. from_id != to_id

Write a solution to report the number of calls and the total call duration between each pair of distinct persons `(person1, person2)` where `person1 < person2`.

Return the result table in **any order**.

The result format is in the following example.

Example 1:

Input: Calls table: +-----+-----+-----+ | from_id | to_id | duration |
+-----+-----+-----+ | 1 | 2 | 59 | | 2 | 1 | 11 | | 1 | 3 | 20 | | 3 | 4 | 100 | | 3 | 4 | 200 | | 3 | 4 |
200 | | 4 | 3 | 499 | +-----+-----+-----+ **Output:**
+-----+-----+-----+ | person1 | person2 | call_count | total_duration |
+-----+-----+-----+ | 1 | 2 | 2 | 70 | | 1 | 3 | 1 | 20 | | 3 | 4 | 4 | 999 |
+-----+-----+-----+ **Explanation:** Users 1 and 2 had 2 calls and the total duration is 70 (59 + 11). Users 1 and 3 had 1 call and the total duration is 20. Users 3 and 4 had 4 calls and the total duration is 999 (100 + 200 + 200 + 499).

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
```