1699. Number of Calls Between Two Persons `Premium`

Medium   🏷 Topics   🏢 Companies

SQL Schema >   Pandas Schema >

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).
```

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

Yes   No

Accepted **45.1K** | Submissions **55.6K** | Acceptance Rate **81.1%**

🏷 Topics   ⌃

Database

🏢 Companies   ⌃

0 - 6 months

Amazon ②

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