

Medium

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).

Write your MySQL query statement below

```
SELECT IF(from_id < to_id, from_id, to_id) AS person1, IF(from_id > to_id, from_id, to_id) AS  
person2, COUNT(*) AS call_count, SUM(duration) AS total_duration  
FROM Calls C1  
GROUP BY person1, person2
```