

# 569. Median Employee Salary

## Description

Table: Employee

Column Name	Type
id	int
company	varchar
salary	int

id is the primary key (column with unique values) for this table.  
Each row of this table indicates the company and the salary of one employee.

Write a solution to find the rows that contain the median salary of each company. While calculating the median, when you sort the salaries of the company, break the ties by `id`.

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

The result format is in the following example.

### Example 1:

<b>Input:</b>			
Employee table:			
id	company	salary	
1	A	2341	
2	A	341	
3	A	15	
4	A	15314	
5	A	451	
6	A	513	
7	B	15	
8	B	13	
9	B	1154	
10	B	1345	
11	B	1221	
12	B	234	
13	C	2345	
14	C	2645	
15	C	2645	
16	C	2652	
17	C	65	
<b>Output:</b>			
id	company	salary	
5	A	451	
6	A	513	
12	B	234	
9	B	1154	
14	C	2645	
<b>Explanation:</b>			
For company A, the rows sorted are as follows:			
id	company	salary	
3	A	15	
2	A	341	
5	A	451	<-- median
6	A	513	<-- median
1	A	2341	
4	A	15314	
For company B, the rows sorted are as follows:			
id	company	salary	
8	B	13	
7	B	15	
12	B	234	<-- median
11	B	1221	<-- median
9	B	1154	
10	B	1345	
For company C, the rows sorted are as follows:			
id	company	salary	
17	C	65	
13	C	2345	
14	C	2645	<-- median
15	C	2645	
16	C	2652	

**Follow up:** Could you solve it without using any built-in or window functions?

