

# 1741. Find Total Time Spent by Each Employee

## Description

Table: `Employees`

+-----+-----+  
| Column Name | Type |  
+-----+-----+  
emp\_id	int
event\_day	date
in\_time	int
out\_time	int
+-----+-----+  
(emp\_id, event\_day, in\_time) is the primary key (combinations of columns with unique values) of this table.  
The table shows the employees' entries and exits in an office.  
event\_day is the day at which this event happened, in\_time is the minute at which the employee entered the office, and out\_time is the minute at which they left the office.  
in\_time and out\_time are between 1 and 1440.  
It is guaranteed that no two events on the same day intersect in time, and in\_time < out\_time.

Write a solution to calculate the total time **in minutes** spent by each employee on each day at the office. Note that within one day, an employee can enter and leave more than once. The time spent in the office for a single entry is `out_time - in_time` .

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

The result format is in the following example.

### Example 1:

**Input:**  
Employees table:  

emp_id	event_day	in_time	out_time
1	2020-11-28	4	32
1	2020-11-28	55	200
1	2020-12-03	1	42
2	2020-11-28	3	33
2	2020-12-09	47	74

**Output:**  

day	emp_id	total_time
2020-11-28	1	173
2020-11-28	2	30
2020-12-03	1	41
2020-12-09	2	27

**Explanation:**  
Employee 1 has three events: two on day 2020-11-28 with a total of (32 - 4) + (200 - 55) = 173, and one on day 2020-12-03 with a total of (42 - 1) = 41.  
Employee 2 has two events: one on day 2020-11-28 with a total of (33 - 3) = 30, and one on day 2020-12-09 with a total of (74 - 47) = 27.

