

2984. Find Peak Calling Hours for Each City Premium

Medium Topics Companies

SQL Schema Pandas Schema

Table: Calls

Column Name	Type
caller_id	int
recipient_id	int
call_time	datetime
city	varchar

(caller_id, recipient_id, call_time) is the primary key (combination of columns with unique values) for this table.
Each row contains caller id, recipient id, call time, and city.

Write a solution to find the **peak** calling **hour** for each **city**. If **multiple hours** have the **same** number of calls, all of those hours will be recognized as **peak hours** for that specific city.

Return *the result table ordered by **peak calling hour** and **city** in **descending** order*.

The result format is in the following example.

Example 1:

Input:
Calls table:

caller_id	recipient_id	call_time	city
8	4	2021-08-24 22:46:07	Houston
4	8	2021-08-24 22:57:13	Houston
5	1	2021-08-11 21:28:44	Houston
8	3	2021-08-17 22:04:15	Houston
11	3	2021-08-17 13:07:00	New York
8	11	2021-08-17 14:22:22	New York

Output:

city	peak_calling_hour	number_of_calls
Houston	22	3
New York	14	1
New York	13	1

Explanation:
For Houston:

- The peak time is 22:00, with a total of 3 calls recorded.

For New York:

- Both 13:00 and 14:00 hours have equal call counts of 1, so both times are considered peak hours.

Output table is ordered by peak_calling_hour and city in descending order.

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

Yes No

Accepted 2.1K | Submissions 3.4K | Acceptance Rate 60.8%

Topics

Database

Companies

0 - 3 months

DE Shaw 10

Discussion (0)