

Problem List

Run

Submit

88

1

Description

Editorial

Solutions

Submissions

2853. Highest Salaries Difference

Premium

Solved

Easy

Topics

SQL Schema

Pandas Schema

Table: Salaries

Column Name	Type
emp_name	varchar
department	varchar
salary	int

(emp\_name, department) is the primary key (combination of unique values) for this table. Each row of this table contains emp\_name, department and salary. There will be **at least one** entry for the engineering and marketing departments.

Write a solution to calculate the difference between the **highest** salaries in the **marketing** and **engineering** department. Output the absolute difference in salaries.

Return the result table.

The result format is in the following example.

**Example 1:**

**Input:**

Salaries table:

emp_name	department	salary
Kathy	Engineering	50000
Roy	Marketing	30000
Charles	Engineering	45000
Jack	Engineering	85000
Benjamin	Marketing	34000
Anthony	Marketing	42000
Edward	Engineering	102000
Terry	Engineering	44000
Evelyn	Marketing	53000
Arthur	Engineering	32000

**Output:**

salary_difference
49000

**Explanation:**

- The Engineering and Marketing departments have the highest salaries of 102,000 and 53,000, respectively. Resulting in an absolute difference of 49,000.

Seen this question in a real interview before?

1/5

Yes

No

Accepted

2.3K

Submissions

3.1K

Acceptance Rate

73.5%

Topics

Discussion (0)

Copyright © 2024 LeetCode All rights reserved

12

0

</> Code

MySQL

Auto

```
1 # Write your MySQL query statement below
2
3 SELECT ABS(E.salary_difference - M.salary_difference) AS salary_difference FROM
4 (
5   SELECT MAX(salary) AS salary_difference
6   FROM Salaries
7   GROUP BY department
8   HAVING department = "Engineering"
9 ) AS E
10 JOIN
11 (
12   SELECT MAX(salary) AS salary_difference
13   FROM Salaries
14   GROUP BY department
15   HAVING department = "Marketing"
16 ) AS M
```

Saved

Ln 7, Col 20

Testcase

Test Result

Accepted

Runtime: 672 ms

Case 1

Input

Salaries =

emp_name	department	salary
Kathy	Engineering	50000
Roy	Marketing	30000
Charles	Engineering	45000
Jack	Engineering	85000
Benjamin	Marketing	34000
Anthony	Marketing	42000

View more

Output