2853. Highest Salaries Difference Premium

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 **3.5K** | Submissions **4.8K** | Acceptance Rate **73.6%**

🏷 Topics ⌃

Database

💬 Discussion (1) ⌄