

2853. Highest Salaries Difference

Description

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.

