Problem 1468: Calculate Salaries

Problem Information

Difficulty: Medium
Acceptance Rate: 0.00%
Paid Only: No

Problem Description

Table

Salaries

:

+---------------+---------+ | Column Name | Type | +---------------+---------+ | company_id | int | | employee_id | int | | employee_name | varchar | | salary | int | +---------------+---------+ In SQL,(company_id, employee_id) is the primary key for this table. This table contains the company id, the id, the name, and the salary for an employee.

Find the salaries of the employees after applying taxes. Round the salary to

the nearest integer

.

The tax rate is calculated for each company based on the following criteria:

0%

If the max salary of any employee in the company is less than

$1000

.

24%

If the max salary of any employee in the company is in the range

[1000, 10000]

inclusive.

49%

If the max salary of any employee in the company is greater than

$10000

.

Return the result table in

any order

.

The result format is in the following example.

Example 1:

Input:

Salaries table: +------------+-------------+---------------+--------+ | company_id | employee_id | employee_name | salary | +------------+-------------+---------------+--------+ | 1 | 1 | Tony | 2000 | | 1 | 2 | Pronub | 21300 | | 1 | 3 | Tyrrox | 10800 | | 2 | 1 | Pam | 300 | | 2 | 7 | Bassem | 450 | | 2 | 9 | Hermione | 700 | | 3 | 7 | Bocaben | 100 | | 3 | 2 | Ognjen | 2200 | | 3 | 13 | Nyancat | 3300 | | 3 | 15 | Morninngcat | 7777 | +------------+-------------+---------------+--------+

Output:

+------------+-------------+---------------+--------+ | company_id | employee_id | employee_name | salary | +------------+-------------+---------------+--------+ | 1 | 1 | Tony | 1020 | | 1 | 2 | Pronub | 10863 | | 1 | 3 | Tyrrox | 5508 | | 2 | 1 | Pam | 300 | | 2 | 7 | Bassem | 450 | | 2 | 9 | Hermione |

700 | | 3 | 7 | Bocaben | 76 | | 3 | 2 | Ognjen | 1672 | | 3 | 13 | Nyancat | 2508 | | 3 | 15 | Morninngcat | 5911 | +------------+-------------+---------------+--------+

Explanation:

For company 1, Max salary is 21300. Employees in company 1 have taxes = 49% For company 2, Max salary is 700. Employees in company 2 have taxes = 0% For company 3, Max salary is 7777. Employees in company 3 have taxes = 24% The salary after taxes = salary - (taxes percentage / 100) * salary For example, Salary for Morninngcat (3, 15) after taxes = 7777 - 7777 * (24 / 100) = 7777 - 1866.48 = 5910.52, which is rounded to 5911.

Code Snippets

MySQL:

```
# Write your MySQL query statement below
```

MS SQL Server:

```
/* Write your T-SQL query statement below */
```

PostgreSQL:

```
-- Write your PostgreSQL query statement below
```

Oracle:

```
/* Write your PL/SQL query statement below */
```

Pandas:

```
import pandas as pd

def calculate_salaries(salaries: pd.DataFrame) -> pd.DataFrame:
```

Solutions

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