

Problem 1875: Group Employees of the Same Salary

Problem Information

Difficulty: Medium

Acceptance Rate: 0.00%

Paid Only: No

Problem Description

Table:

Employees

+-----+-----+ | Column Name | Type | +-----+-----+ | employee_id | int | | name | varchar | | salary | int | +-----+-----+ employee_id is the column with unique values for this table. Each row of this table indicates the employee ID, employee name, and salary.

A company wants to divide the employees into teams such that all the members on each team have the

same salary

. The teams should follow these criteria:

Each team should consist of

at least two

employees.

All the employees on a team should have the

same salary

.

All the employees of the same salary should be assigned to the same team.

If the salary of an employee is unique, we

do not

assign this employee to any team.

A team's ID is assigned based on the

rank of the team's salary

relative to the other teams' salaries, where the team with the

lowest

salary has

team_id = 1

. Note that the salaries for employees not on a team are

not included

in this ranking.

Write a solution to get the

team_id

of each employee that is in a team.

Return the result table ordered by

team_id

in ascending order

. In case of a tie, order it by

employee_id

in

ascending order

.

The result format is in the following example.

Example 1:

Input:

Employees table: +-----+-----+-----+ | employee_id | name | salary |
+-----+-----+-----+ | 2 | Meir | 3000 | | 3 | Michael | 3000 | | 7 | Addilyn | 7400 | | 8 |
Juan | 6100 | | 9 | Kannon | 7400 | +-----+-----+-----+

Output:

+-----+-----+-----+-----+ | employee_id | name | salary | team_id |
+-----+-----+-----+-----+ | 2 | Meir | 3000 | 1 | | 3 | Michael | 3000 | 1 | | 7 | Addilyn |
7400 | 2 | | 9 | Kannon | 7400 | 2 | +-----+-----+-----+

Explanation:

Meir (employee_id=2) and Michael (employee_id=3) are in the same team because they have the same salary of 3000. Addilyn (employee_id=7) and Kannon (employee_id=9) are in the same team because they have the same salary of 7400. Juan (employee_id=8) is not included in any team because their salary of 6100 is unique (i.e. no other employee has the same salary). The team IDs are assigned as follows (based on salary ranking, lowest first): - team_id=1: Meir and Michael, a salary of 3000 - team_id=2: Addilyn and Kannon, a salary of 7400 Juan's salary of 6100 is not included in the ranking because they are not on a team.

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 employees_of_same_salary(employees: pd.DataFrame) -> pd.DataFrame:
```

Solutions

MySQL Solution:

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