Problem 1077: Project Employees III

Problem Information

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

Problem Description

Table:

Project

+-------------+---------+ | Column Name | Type | +-------------+---------+ | project_id | int | | employee_id | int | +-------------+---------+ (project_id, employee_id) is the primary key (combination of columns with unique values) of this table. employee_id is a foreign key (reference column) to

Employee

table. Each row of this table indicates that the employee with employee_id is working on the project with project_id.

Table:

Employee

+------------------+---------+ | Column Name | Type | +------------------+---------+ | employee_id | int | | name | varchar | | experience_years | int | +------------------+---------+ employee_id is the primary key (column with unique values) of this table. Each row of this table contains information about one employee.

Write a solution to report the

most experienced

employees in each project. In case of a tie, report all employees with the maximum number of experience years.

Return the result table in

any order

.

The result format is in the following example.

Example 1:

Input:

Project table:
```
+------------+-------------+
| project_id | employee_id |
+------------+-------------+
| 1          | 1           |
| 1          | 2           |
| 1          | 3           |
| 2          | 1           |
| 2          | 4           |
+------------+-------------+
```
Employee table:
```
+-------------+--------+------------------+
| employee_id | name   | experience_years |
+-------------+--------+------------------+
| 1           | Khaled | 3                |
| 2           | Ali    | 2                |
| 3           | John   | 3                |
| 4           | Doe    | 2                |
+-------------+--------+------------------+
```

Output:

```
+------------+---------------+
| project_id | employee_id   |
+------------+---------------+
| 1          | 1             |
| 1          | 3             |
| 2          | 1             |
+------------+---------------+
```

Explanation:

Both employees with id 1 and 3 have the most experience among the employees of the first project. For the second project, the employee with id 1 has the most experience.

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 project_employees(project: pd.DataFrame, employee: pd.DataFrame) ->
pd.DataFrame:
```

Solutions

MySQL Solution:

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