Medium

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.

```
# Write your MySQL query statement below
WITH CTE AS (SELECT *,RANK() OVER (PARTITION BY project_id ORDER BY experience_years
DESC) AS R
FROM Project
JOIN Employee USING (employee_id))

SELECT project_id,employee_id
FROM CTE
WHERE R=1
```