Description   Editorial   Solutions (494)   Submissions

1789. Primary Department for Each Employee

Easy ✓   👍 251   👎 96   ☆   ↻

🔒 Companies

SQL Schema >   Pandas Schema >

Table: Employee

```
+----------------+----------+
| Column Name    | Type     |
+----------------+----------+
| employee_id    | int      |
| department_id  | int      |
| primary_flag   | varchar  |
+----------------+----------+
(employee_id, department_id) is the primary key (combination of
columns with unique values) for this table.
employee_id is the id of the employee.
department_id is the id of the department to which the employee
belongs.
primary_flag is an ENUM (category) of type ('Y', 'N'). If the
flag is 'Y', the department is the primary department for the
employee. If the flag is 'N', the department is not the
primary.
```

Employees can belong to multiple departments. When the employee joins other departments, they need to decide which department is their primary department. Note that when an employee belongs to only one department, their primary column is 'N'.

Write a solution to report all the employees with their primary department. For employees who belong to one department, report their only department.

Return the result table in **any order**.

The result format is in the following example.

Example 1:

```
Input:
Employee table:
+--------------+----------------+--------------+
| employee_id  | department_id  | primary_flag |
+--------------+----------------+--------------+
| 1            | 1              | N            |
| 2            | 1              | Y            |
| 2            | 2              | N            |
| 3            | 3              | N            |
| 4            | 2              | N            |
| 4            | 3              | Y            |
| 4            | 4              | N            |
+--------------+----------------+--------------+

Output:
+--------------+----------------+
| employee_id  | department_id  |
+--------------+----------------+
| 1            | 1              |
| 2            | 1              |
| 3            | 3              |
| 4            | 3              |
+--------------+----------------+

Explanation:
- The Primary department for employee 1 is 1.
- The Primary department for employee 2 is 1.
- The Primary department for employee 3 is 3.
- The Primary department for employee 4 is 3.
```

Accepted **36.4K** | Submissions **52.8K** | Acceptance Rate **68.9%**

Seen this question in a real interview before? 1/4

Yes No

Discussion (26) ⌄

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```sql
1  # Write your MySQL query statement below
2  SELECT employee_id, department_id
3  FROM Employee
4  WHERE employee_id IN(
5      SELECT employee_id
6      FROM Employee
7      GROUP BY employee_id
8      HAVING COUNT(department_id) = 1)
9  UNION
10 SELECT employee_id,department_id
11 FROM Employee
12 WHERE primary_flag ='Y'
```

Ln 10, Col 1

Console ∧   🐞   Run   Submit