

2356. Number of Unique Subjects Taught by Each Teacher

Description

Table: `Teacher`

```
+-----+-----+
| Column Name | Type |
+-----+-----+
| teacher_id  | int  |
| subject_id  | int  |
| dept_id     | int  |
+-----+-----+
(subject_id, dept_id) is the primary key (combinations of columns with unique values) of this table.
Each row in this table indicates that the teacher with teacher_id teaches the subject subject_id in the department dept_id.
```

Write a solution to calculate the number of unique subjects each teacher teaches in the university.

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

The result format is shown in the following example.

Example 1:

```
Input:
Teacher table:
+-----+-----+-----+
| teacher_id | subject_id | dept_id |
+-----+-----+-----+
| 1          | 2          | 3       |
| 1          | 2          | 4       |
| 1          | 3          | 3       |
| 2          | 1          | 1       |
| 2          | 2          | 1       |
| 2          | 3          | 1       |
| 2          | 4          | 1       |
+-----+-----+-----+

Output:
+-----+-----+
| teacher_id | cnt |
+-----+-----+
| 1          | 2   |
| 2          | 4   |
+-----+-----+

Explanation:
Teacher 1:
- They teach subject 2 in departments 3 and 4.
- They teach subject 3 in department 3.
Teacher 2:
- They teach subject 1 in department 1.
- They teach subject 2 in department 1.
- They teach subject 3 in department 1.
- They teach subject 4 in department 1.
```

