

Easy

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.

# Write your MySQL query statement below

```
SELECT teacher_id,  
       COUNT(DISTINCT(subject_id)) as cnt
```

```
FROM Teacher  
GROUP BY teacher_id;
```