

580. Count Student Number in Departments

Description

Table: `Student`

Column Name	Type
student_id	int
student_name	varchar
gender	varchar
dept_id	int

student_id is the primary key (column with unique values) for this table.
dept_id is a foreign key (reference column) to dept_id in the Department tables.
Each row of this table indicates the name of a student, their gender, and the id of their department.

Table: `Department`

Column Name	Type
dept_id	int
dept_name	varchar

dept_id is the primary key (column with unique values) for this table.
Each row of this table contains the id and the name of a department.

Write a solution to report the respective department name and number of students majoring in each department for all departments in the `Department` table (even ones with no current students).

Return the result table **ordered by** `student_number` **in descending order** . In case of a tie, order them by `dept_name` **alphabetically** .

The result format is in the following example.

Example 1:

Input:

Student table:

student_id	student_name	gender	dept_id
1	Jack	M	1
2	Jane	F	1
3	Mark	M	2

Department table:

dept_id	dept_name
1	Engineering
2	Science
3	Law

Output:

dept_name	student_number
Engineering	2
Science	1
Law	0

