

Table: Student

Column Name	Type
student_id	int
student_name	varchar
gender	varchar
dept_id	int

student\_id is the primary key column for this table.

dept\_id is a foreign key 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 for this table.

Each row of this table contains the id and the name of a department.

Write an SQL query 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 query 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
+-----+	