

# 1350. Students With Invalid Departments Premium

Easy Topics Companies

SQL Schema > Pandas Schema >

Table: Departments

Column Name	Type
id	int
name	varchar

In SQL, id is the primary key of this table.  
The table has information about the id of each department of a university.

Table: Students

Column Name	Type
id	int
name	varchar
department_id	int

In SQL, id is the primary key of this table.  
The table has information about the id of each student at a university and the id of the department he/she studies at.

Find the id and the name of all students who are enrolled in departments that no longer exist.

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

The result format is in the following example.

### Example 1:

#### Input:

Departments table:

id	name
1	Electrical Engineering
7	Computer Engineering
13	Bussiness Administration

Students table:

id	name	department_id
23	Alice	1
1	Bob	7
5	Jennifer	13
2	John	14
4	Jasmine	77
3	Steve	74
6	Luis	1
8	Jonathan	7
7	Daiana	33
11	Madelynn	1

#### Output:

id	name
2	John
7	Daiana
4	Jasmine
3	Steve

#### Explanation:

John, Daiana, Steve, and Jasmine are enrolled in departments 14, 33, 74, and 77 respectively. department 14, 33, 74, and 77 do not exist in the Departments table.

Seen this question in a real interview before? 1/5

Yes No

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Discussion (5)