

1350. Students With Invalid Departments

Easy
26
1
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SQL Schema >

Table: Departments

Column Name	Type
id	int
name	varchar

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

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.

Write an SQL query to find the id and the name of all students who are enrolled in departments that no longer exists.

Return the result table in any order.

The query result format is in the following example:

Departments table:

id	name
1	Electrical Engineering
7	Computer Engineering
13	Business 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	Dalana	33
11	Madelynn	1

Result table:

id	name
2	John
7	Dalana
4	Jasmine
3	Steve

John, Dalana, Steve and Jasmine are enrolled in departments 14, 33, 74 and 77 respectively. department 14, 33, 74 and 77 doesn't exist in the Departments table.

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Seen this question in a real interview before?

Contributor

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