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May LeetCode Challenge

Description Solution Submissions Discuss (50)

1350. Students With Invalid Departments

Easy 26 1 Add to List Share

SQL Schema >

Table: Departments

Column Name	Type
<code>id</code>	<code>int</code>
<code>name</code>	<code>varchar</code>

`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
<code>id</code>	<code>int</code>
<code>name</code>	<code>varchar</code>
<code>department_id</code>	<code>int</code>

`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:

<code>id</code>	<code>name</code>
1	Electrical Engineering
7	Computer Engineering
13	Business Administration

Students table:

<code>id</code>	<code>name</code>	<code>department_id</code>
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	Diana	33
11	Madelynn	1

Result table:

<code>id</code>	<code>name</code>
2	John
7	Diana
4	Jasmine
3	Steve

John, Diana, 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

Companies

MySQL

Write your MySQL query statement below

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