

# 1350. Students With Invalid Departments

## Description

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:

<b>Input:</b>		
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
+-----+-----+		
<b>Output:</b>		
+-----+-----+		
id	name	
+-----+-----+		
2	John	
7	Daiana	
4	Jasmine	
3	Steve	
+-----+-----+		
<b>Explanation:</b>		
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.		

