Problem 1613: Find the Missing IDs

Problem Information

Difficulty: Medium
Acceptance Rate: 72.94%
Paid Only: Yes
Tags: Database

Problem Description

Table: `Customers`

+---------------+---------+ | Column Name | Type | +---------------+---------+ | customer_id | int | | customer_name | varchar | +---------------+---------+ customer_id is the column with unique values for this table. Each row of this table contains the name and the id customer.

Write a solution to find the missing customer IDs. The missing IDs are ones that are not in the `Customers` table but are in the range between `1` and the **maximum** `customer_id` present in the table.

Notice that the maximum `customer_id` will not exceed `100`.

Return the result table ordered by `ids` in **ascending order**.

The result format is in the following example.

Example 1:

Input: Customers table: +-------------+---------------+ | customer_id | customer_name | +-------------+---------------+ | 1 | Alice | | 4 | Bob | | 5 | Charlie | +-------------+---------------+ **Output:** +-----+ | ids | +-----+ | 2 | | 3 | +-----+ **Explanation:** The maximum customer_id present in the table is 5, so in the range [1,5], IDs 2 and 3 are missing from the table.

Code Snippets

MySQL:

```
# Write your MySQL query statement below
```

MS SQL Server:

```
/* Write your T-SQL query statement below */
```

PostgreSQL:

```
-- Write your PostgreSQL query statement below
```