Problem 180: Consecutive Numbers

Problem Information

Difficulty: Medium
Acceptance Rate: 0.00%
Paid Only: No

Problem Description

Table:

Logs

+-------------+---------+ | Column Name | Type | +-------------+---------+ | id | int | | num | varchar | +-------------+---------+ In SQL, id is the primary key for this table. id is an autoincrement column starting from 1.

Find all numbers that appear at least three times consecutively.

Return the result table in

any order

.

The result format is in the following example.

Example 1:

Input:

Logs table: +----+-----+ | id | num | +----+-----+ | 1 | 1 | | 2 | 1 | | 3 | 1 | | 4 | 2 | | 5 | 1 | | 6 | 2 | | 7 | 2 | +----+-----+

Output:

+-----------------+ | ConsecutiveNums | +-----------------+ | 1 | +-----------------+

Explanation:

1 is the only number that appears consecutively for at least three times.

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
```

Oracle:

```
/* Write your PL/SQL query statement below */
```

Pandas:

```
import pandas as pd

def consecutive_numbers(logs: pd.DataFrame) -> pd.DataFrame:
```

Solutions

MySQL Solution:

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