

Problem 1285: Find the Start and End Number of Continuous Ranges

Problem Information

Difficulty: **Medium**

Acceptance Rate: 0.00%

Paid Only: No

Problem Description

Table:

Logs

+-----+-----+ | Column Name | Type | +-----+-----+ | log_id | int |
+-----+-----+ log_id is the column of unique values for this table. Each row of this table contains the ID in a log Table.

Write a solution to find the start and end number of continuous ranges in the table

Logs

.

Return the result table ordered by

start_id

.

The result format is in the following example.

Example 1:

Input:

Logs table: +-----+ | log_id | +-----+ | 1 || 2 || 3 || 7 || 8 || 10 | +-----+

Output:

+-----+-----+ | start_id | end_id | +-----+-----+ | 1 | 3 || 7 | 8 || 10 | 10 |
+-----+-----+

Explanation:

The result table should contain all ranges in table Logs. From 1 to 3 is contained in the table. From 4 to 6 is missing in the table From 7 to 8 is contained in the table. Number 9 is missing from the table. Number 10 is contained in 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
```

Oracle:

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

Pandas:

```
import pandas as pd

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

Solutions

MySQL Solution:

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