

# 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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