Problem 626: Exchange Seats

Problem Information

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

Problem Description

Table:

Seat

+-------------+---------+ | Column Name | Type | +-------------+---------+ | id | int | | student | varchar | +-------------+---------+ id is the primary key (unique value) column for this table. Each row of this table indicates the name and the ID of a student. The ID sequence always starts from 1 and increments continuously.

Write a solution to swap the seat id of every two consecutive students. If the number of students is odd, the id of the last student is not swapped.

Return the result table ordered by

id

in ascending order

.

The result format is in the following example.

Example 1:

Input:

Seat table: +----+---------+ | id | student | +----+---------+ | 1 | Abbot | | 2 | Doris | | 3 | Emerson | | 4 | Green | | 5 | Jeames | +----+---------+

Output:

+----+---------+ | id | student | +----+---------+ | 1 | Doris | | 2 | Abbot | | 3 | Green | | 4 | Emerson | | 5 | Jeames | +----+---------+

Explanation:

Note that if the number of students is odd, there is no need to change the last one's seat.

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 exchange_seats(seat: pd.DataFrame) -> pd.DataFrame:
```

Solutions

MySQL Solution:

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