

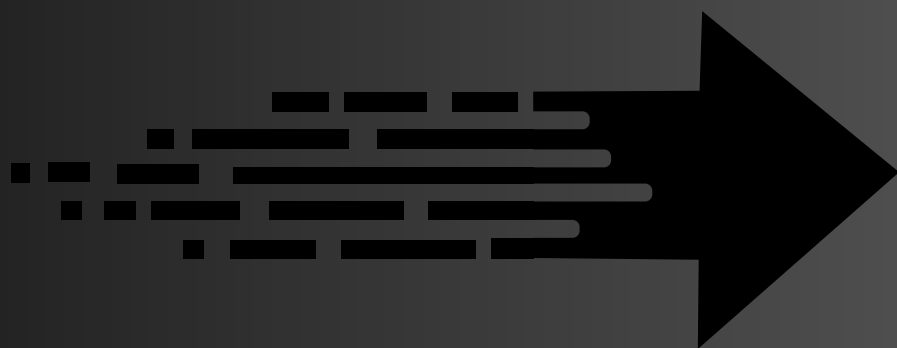


LeetCode

50 Days 50 SQL Questions
Work In Progress

Day 38/50

38. *Exchange Seats*





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Question

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**.





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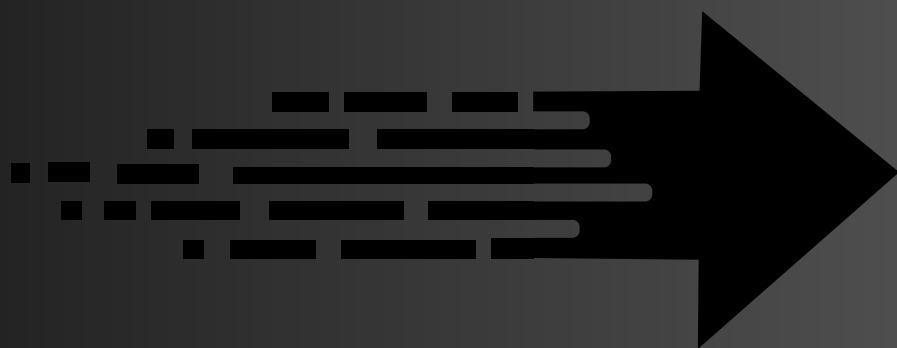
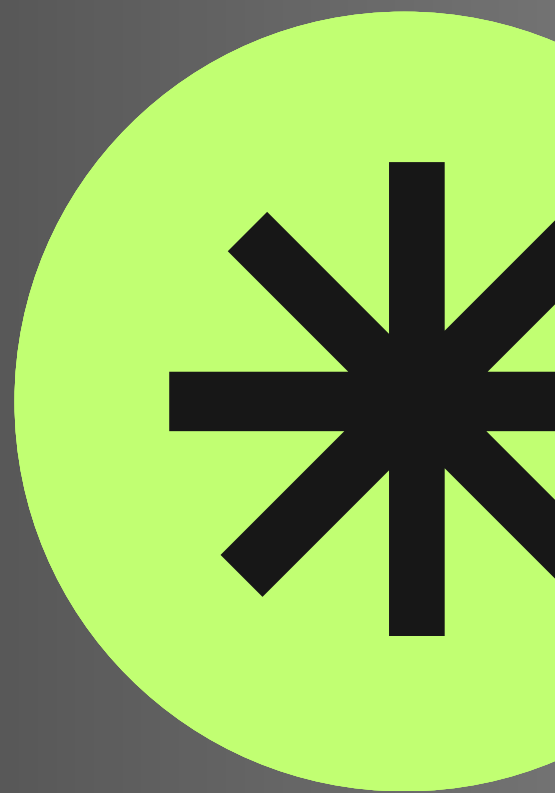
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Table

Input:

Seat table:

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





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Approach

In this ques., I swapped the ids instead of swapping names. Used CASE statements, firstly selected the MAX id to know if there are odd no. of records or even, then each odd id is getting inc by 1 and odd id is dec by 1. For MAX id, if its odd then it will be unchanged.





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Query

MySQL   Auto

```
1  # Write your MySQL query statement below
2  SELECT
3  CASE
4      WHEN (id = (SELECT MAX(id) FROM seat) AND id % 2 != 0) THEN id
5      WHEN id % 2 != 0 THEN id+1
6      WHEN id % 2 = 0 THEN id-1
7  end AS id,
8  student
9  FROM seat
10 ORDER BY id;
11
```





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Output

Output:

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





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thoughts in the
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Thank You :)

