3140. Consecutive Available Seats II Premium

Medium   🏷 Topics

SQL Schema >   Pandas Schema >

Table: `Cinema`

```
+-------------+------+
| Column Name | Type |
+-------------+------+
| seat_id     | int  |
| free        | bool |
+-------------+------+
seat_id is an auto-increment column for this table.
Each row of this table indicates whether the ith seat is free or not. 1 means free while 0 means occupied.
```

Write a solution to find the **length** of **longest consecutive sequence** of **available** seats in the cinema.

Note:

- There will always be **at most one** longest consecutive sequence.

- If there are **multiple** consecutive sequences with the **same length**, include all of them in the output.

Return *the result table* **ordered** by `first_seat_id` *in ascending order*.

The result format is in the following example.

Example:

Input:

Cinema table:

```
+---------+------+
| seat_id | free |
+---------+------+
| 1       | 1    |
| 2       | 0    |
| 3       | 1    |
| 4       | 1    |
| 5       | 1    |
+---------+------+
```

Output:

```
+------------------+-----------------+----------------------+
| first_seat_id    | last_seat_id    | consecutive_seats_len |
+------------------+-----------------+----------------------+
| 3                | 5               | 3                    |
+------------------+-----------------+----------------------+
```

Explanation:

- Longest consecutive sequence of available seats starts from seat 3 and ends at seat 5 with a length of 3.

Output table is ordered by first_seat_id in ascending order.

Seen this question in a real interview before?   1/5

Yes   No

Accepted **1.2K** | Submissions **2.1K** | Acceptance Rate **58.4%**

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Database

💬 Discussion (4)