

2173. Longest Winning Streak Premium

Hard Topics Companies

SQL Schema Pandas Schema

Table: Matches

Column Name	Type
player_id	int
match_day	date
result	enum

(player_id, match_day) is the primary key (combination of columns with unique values) for this table.
Each row of this table contains the ID of a player, the day of the match they played, and the result of that match.
The result column is an ENUM (category) type of ('Win', 'Draw', 'Lose').

The **winning streak** of a player is the number of consecutive wins uninterrupted by draws or losses.

Write a solution to count the longest winning streak for each player.

Return the result table in **any order**.

The result format is in the following example.

Example 1:

Input:
Matches table:

player_id	match_day	result
1	2022-01-17	Win
1	2022-01-18	Win
1	2022-01-25	Win
1	2022-01-31	Draw
1	2022-02-08	Win
2	2022-02-06	Lose
2	2022-02-08	Lose
3	2022-03-30	Win

Output:

player_id	longest_streak
1	3
2	0
3	1

Explanation:
Player 1:
From 2022-01-17 to 2022-01-25, player 1 won 3 consecutive matches.
On 2022-01-31, player 1 had a draw.
On 2022-02-08, player 1 won a match.
The longest winning streak was 3 matches.

Player 2:
From 2022-02-06 to 2022-02-08, player 2 lost 2 consecutive matches.
The longest winning streak was 0 matches.

Player 3:
On 2022-03-30, player 3 won a match.
The longest winning streak was 1 match.

Follow up: If we are interested in calculating the longest streak without losing (i.e., win or draw), how will your solution change?

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

Yes No

Accepted 5.3K | Submissions 10.2K | Acceptance Rate 52.6%

Topics

Database

Companies

0 - 6 months

Amazon 2

Discussion (4)