

# Problem 2995: Viewers Turned Streamers

## Problem Information

**Difficulty:** Hard

**Acceptance Rate:** 42.73%

**Paid Only:** Yes

**Tags:** Database

## Problem Description

Table: `Sessions`

+-----+-----+ | Column Name | Type | +-----+-----+ | user\_id | int || session\_start | datetime || session\_end | datetime || session\_id | int || session\_type | enum | +-----+-----+ session\_id is column of unique values for this table. session\_type is an ENUM (category) type of (Viewer, Streamer). This table contains user id, session start, session end, session id and session type.

Write a solution to find the number of \*\*streaming\*\* sessions for users whose \*\*first session\*\* was as a \*\*viewer\*\*.

Return \_the result table ordered by count of streaming sessions,\_ `user\_id` \_in\*\*descending\*\* order.\_

The result format is in the following example.

**Example 1:**

**Input:** Sessions table: +-----+-----+-----+-----+-----+ | user\_id | session\_start | session\_end | session\_id | session\_type | +-----+-----+-----+-----+-----+ | 101 | 2023-11-06 13:53:42 | 2023-11-06 14:05:42 | 375 | Viewer | | 101 | 2023-11-22 20:39:21 | 2023-11-22 20:39:21 | 594 | Streamer | | 102 | 2023-11-16 13:23:09 | 2023-11-16 13:23:09 | 102 | Streamer | | 102 | 2023-11-17 13:23:09 | 2023-11-17 13:23:09 | 315 | Streamer | | 104 | 2023-11-20 07:16:06 | 2023-11-20 07:16:06 | 778 | Streamer | | 101 | 2023-11-27 03:10:49 | 2023-11-27 03:10:49 | 797 | Viewer | | 103 | 2023-11-27 03:10:49 | 2023-11-27 03:10:49 | 798 |

```
| Streamer | +-----+-----+-----+-----+-----+ **Output:**  
+-----+-----+ user_id | sessions_count | +-----+-----+ | 101 | 2 |  
+-----+-----+ **Explanation** - user_id 101, initiated their initial session as a viewer  
on 2023-11-06 at 13:53:42, followed by two subsequent sessions as a Streamer, the count  
will be 2. - user_id 102, although there are two sessions, the initial session was as a  
Streamer, so this user will be excluded. - user_id 103 participated in only one session, which  
was as a Streamer, hence, it won't be considered. - User_id 104 commenced their first  
session as a viewer but didn't have any subsequent sessions, therefore, they won't be  
included in the final count. Output table is ordered by sessions count and user_id in  
descending order.
```

## 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
```