

Problem 1341: Movie Rating

Problem Information

Difficulty: Medium

Acceptance Rate: 42.15%

Paid Only: No

Tags: Database

Problem Description

Table: `Movies`

+-----+-----+ | Column Name | Type | +-----+-----+ | movie_id | int | | title |
varchar | +-----+-----+ movie_id is the primary key (column with unique values) for
this table. title is the name of the movie. Each movie has a unique title.

Table: `Users`

+-----+-----+ | Column Name | Type | +-----+-----+ | user_id | int | | name |
varchar | +-----+-----+ user_id is the primary key (column with unique values) for this
table. The column 'name' has unique values.

Table: `MovieRating`

+-----+-----+ | Column Name | Type | +-----+-----+ | movie_id | int | |
user_id | int | | rating | int | | created_at | date | +-----+-----+ (movie_id, user_id) is
the primary key (column with unique values) for this table. This table contains the rating of a
movie by a user in their review. created_at is the user's review date.

Write a solution to:

- * Find the name of the user who has rated the greatest number of movies. In case of a tie, return the lexicographically smaller user name.
- * Find the movie name with the **highest average** rating in `February 2020`. In case of a tie, return the lexicographically smaller movie name.

The result format is in the following example.

****Example 1:****

****Input:**** Movies table: +-----+-----+ | movie_id | title | +-----+-----+ | 1 | Avengers | | 2 | Frozen 2 | | 3 | Joker | +-----+-----+ Users table:
+-----+-----+ | user_id | name | +-----+-----+ | 1 | Daniel | | 2 | Monica |
| 3 | Maria | | 4 | James | +-----+-----+ MovieRating table:
+-----+-----+-----+ | movie_id | user_id | rating | created_at |
+-----+-----+-----+ | 1 | 1 | 3 | 2020-01-12 | | 1 | 2 | 4 | 2020-02-11
| | 1 | 3 | 2 | 2020-02-12 | | 1 | 4 | 1 | 2020-01-01 | | 2 | 1 | 5 | 2020-02-17 | | 2 | 2 | 2 |
2020-02-01 | | 2 | 3 | 2 | 2020-03-01 | | 3 | 1 | 3 | 2020-02-22 | | 3 | 2 | 4 | 2020-02-25 |
+-----+-----+-----+ **Output:** +-----+ | results |
+-----+ | Daniel | | Frozen 2 | +-----+ **Explanation:** Daniel and Monica have rated 3 movies ("Avengers", "Frozen 2" and "Joker") but Daniel is smaller lexicographically. Frozen 2 and Joker have a rating average of 3.5 in February but Frozen 2 is smaller lexicographically.

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
```