Problem 2837: Total Traveled Distance

Problem Information

Difficulty: Easy
Acceptance Rate: 0.00%
Paid Only: No

Problem Description

Table:

Users

+-------------+---------+ | Column Name | Type | +-------------+---------+ | user_id | int | | name | varchar | +-------------+---------+

user_id

is the column with unique values for this table. Each row of this table contains user id and name.

Table:

Rides

+--------------+------+ | Column Name | Type | +--------------+------+ | ride_id | int | | user_id | int | | distance | int | +--------------+------+ ride_id is the column of unique values for this table. Each row of this table contains ride id, user id, and traveled distance.

Write a solution to calculate the

distance

traveled by

each user

. If there is a user who hasn't completed any rides, then their

distance

should be considered as

0

. Output the

user_id

,

name

and total traveled

distance

.

Return

the result table ordered by

user_id

in

ascending

order.

The result format is in the following example.

Example 1:

Input:

Users table: +---------+---------+ | user_id | name | +---------+---------+ | 17 | Addison | | 14 | Ethan | | 4 | Michael | | 2 | Avery | | 10 | Eleanor | +---------+---------+ Rides table: +---------+---------+----------+ | ride_id | user_id | distance | +---------+---------+----------+ | 72 | 17 | 160 | | 42 | 14 | 161 | | 45 | 4 | 59 | | 32 | 2 | 197 | | 15 | 4 | 357 | | 56 | 2 | 196 | | 10 | 14 | 25 | +---------+---------+----------+

Output:

+---------+---------+-------------------+ | user_id | name | traveled distance | +---------+---------+-------------------+ | 2 | Avery | 393 | | 4 | Michael | 416 | | 10 | Eleanor | 0 | | 14 | Ethan | 186 | | 17 | Addison | 160 | +---------+---------+-------------------+

Explanation:

- User id 2 completed two journeys of 197 and 196, resulting in a combined travel distance of 393. - User id 4 completed two journeys of 59 and 357, resulting in a combined travel distance of 416. - User id 14 completed two journeys of 161 and 25, resulting in a combined travel distance of 186. - User id 16 completed only one journey of 160. - User id 10 did not complete any journeys, thus the total travel distance remains at 0. Returning the table orderd by user_id in ascending 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
```

Oracle:

```
/* Write your PL/SQL query statement below */
```

Pandas:

```
import pandas as pd

def get_total_distance(users: pd.DataFrame, rides: pd.DataFrame) ->
pd.DataFrame:
```

Solutions

MySQL Solution:

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