

3308. Find Top Performing Driver Premium

Medium🔒 Topics

SQL Schema > Pandas Schema >

Table: Drivers

Column Name	Type
driver_id	int
name	varchar
age	int
experience	int
accidents	int

(driver_id) is the unique key for this table.

Each row includes a driver's ID, their name, age, years of driving experience, and the number of accidents they’ve had.

Table: Vehicles

vehicle_id	driver_id	model	fuel_type	mileage

(vehicle_id, driver_id, fuel_type) is the unique key for this table.

Each row includes the vehicle's ID, the driver who operates it, the model, fuel type, and mileage.

Table: Trips

trip_id	vehicle_id	distance	duration	rating

(trip_id) is the unique key for this table.

Each row includes a trip's ID, the vehicle used, the distance covered (in miles), the trip duration (in minutes), and the passenger's rating (1–5).

Uber is analyzing drivers based on their trips. Write a solution to find the **top-performing driver** for **each fuel type** based on the following criteria:

- A driver's performance is calculated as the **average rating** across all their trips. Average rating should be rounded to **2** decimal places.
- If two drivers have the same average rating, the driver with the **longer total distance** traveled should be ranked higher.
- If there is **still a tie**, choose the driver with the **fewest accidents**.

Return the result table ordered by fuel_type in ascending order.

The result format is in the following example.

Example:

Input:

Drivers table:

driver_id	name	age	experience	accidents
1	Alice	34	10	1
2	Bob	45	20	3
3	Charlie	28	5	0

Vehicles table:

vehicle_id	driver_id	model	fuel_type	mileage
100	1	Sedan	Gasoline	20000
101	2	SUV	Electric	30000
102	3	Coupe	Gasoline	15000

Trips table:

trip_id	vehicle_id	distance	duration	rating
201	100	50	30	5
202	100	30	20	4
203	101	100	60	4
204	101	80	50	5
205	102	40	30	5
206	102	60	40	5

Output:

fuel_type	driver_id	rating	distance
Electric	2	4.50	180
Gasoline	3	5.00	100

Explanation:

- For fuel type **Gasoline**, both Alice (Driver 1) and Charlie (Driver 3) have trips. Charlie has an average rating of 5.0, while Alice has 4.5. Therefore, Charlie is selected.
- For fuel type **Electric**, Bob (Driver 2) is the only driver with an average rating of 4.5, so he is selected.

The output table is ordered by **fuel_type** in ascending order.

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

YesNo

Accepted 537 | Submissions 1K | Acceptance Rate 52.9%

🔒 TopicsDatabase

💬 Discussion (1)