Objective

SQL: INTERMEDIATE

Multiple Tables with REBU

Let's practice what we learned about joins by combining rows from different tables.

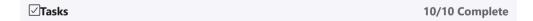
Suppose you are a data analyst at REBU, a ridesharing platform. For a project, you were given three tables:

trips - trips information riders - users data

cars - autonomous cars

Have fun!

If you get stuck during this project or would like to see an experienced developer work through it, click "**Get Help**" to see a **project walkthrough video**.



Mark the tasks as complete by checking them off

Write the following queries:

✓ 1. Let's examine the three tables.

```
SELECT * FROM trips;

SELECT * FROM riders;

SELECT * FROM cars;
```

What are the column names?

Stuck? Get a hint

✓ What's the primary key of trips?

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What's the primary key of riders?

What's the primary key of cars?



✓ 3. Try out a simple cross join between riders and cars.

Is the result useful?



4. Suppose we want to create a Trip Log with the trips and its users.

Find the columns to join between trips and riders and combine the two tables using a LEFT JOIN.

Let trips be the left table.



Suppose we want to create a link between the trips and the cars used during those trips.

Find the columns to join on and combine the trips and cars table using an INNER JOIN.



✓ 6. The new riders data are in! There are three new users this month.

Stack the riders table on top of the new table named riders2.



Bonus Questions! Queries and Aggregates:

✓ 7. What is the average cost for a trip?



✓ 8. REBU is looking to do an email campaign for all the irregular users.

Find all the riders who have used REBU less than 500 times!



✓ 9. Calculate the number of cars that are active.



 \checkmark 10. It's safety recall time for cars that have been on the road for a while.

Write a query that finds the two cars that have the highest trips_completed.