

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**.

Tasks

10/10 Complete

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`?

2. What's the primary key of `trips`?

What's the primary key of `riders`?

What's the primary key of `cars`?

Stuck? Get a hint

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

Is the result useful?

Stuck? Get a hint

- ✓ 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.

Stuck? Get a hint

- ✓ 5. 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`.

Stuck? Get a hint


- ✓ 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`.

Stuck? Get a hint


Bonus Questions! Queries and Aggregates:

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


Stuck? Get a hint 

- ✓ 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!

Stuck? Get a hint 

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

Stuck? Get a hint 

- ✓ 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` .