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Joins Exercises



Download exercise starter code

Part One: Getting Started

Let's start with the following sql file called *data.sql*.

Download the starter code, and first, take a look at the SQL in that file and make sure you understand what it is doing. Once you have read that code, run the following in the unzipped folder:

```
$ psql < data.sql
$ psql joins_exercise</pre>
```

Write the following SQL commands to produce the necessary output

• Join the two tables so that every column and record appears, regardless of if there is not an **owner_id**. Your output should look like this:

/*		• , ,			,		,	. ,
id	last_name 	7 <i>d</i> ++	make 	model	year +	price 	OW 	ner_id
1 Bob	Hope	1	Toyota	Corolla	, 2002	2999.99	/	1
1 Bob	Hope	1 2 1	Honda	/ Civic	/ 2012	13000	/	1
2 Jane	/ Smith	/ 3 /	Nissan	/ Altima	/ 2016	24000	/	2
2 Jane	/ Smith	/ 4 /	Subaru	Legacy	2006	5999.99	/	2
3 Melody	Jones	5	Ford	/ F150	2012	2599.99	/	3
3 Melody	Jones	6	GMC	l Yukon	2016	13000	/	3
4 Sarah	Palmer	/ 7 /	GMC	l Yukon	2014	23000	/	4
4 Sarah	Palmer	/ 8 /	Toyota	<i> Avalon</i>	2009	13000	/	4
4 Sarah	Palmer	9	Toyota	<i> Camry</i>	2013	13000	/	4
5 Alex	/ Miller	10	Honda	/ Civic	/ 2001	7999.99	/	5
6 Shana	/ Smith	/ 11 /	Nissan	/ Altima	1999	1899.99	/	6
6 Shana	/ Smith	12	Lexus	ES350	1998	1599.99	/	6
6 Shana	/ Smith	13	BMW	300	/ 2012	23000	/	6
6 Shana	/ Smith	14	BMW	700	/ 2015	53000	/	6
7 Maya	/ Malarkin	/ /		/	/	/	/	
(15 rows)		•			•			
*/								

• Count the number of cars for each owner. Display the owners *first_name*, *last_name* and *count* of vehicles. The first_name should be ordered in ascending order. Your output should look like this:

Count the number of cars for each owner and display the average price for each of the cars as integers.
 Display the owners first_name, last_name, average price and count of vehicles. The first_name should be ordered in descending order. Only display results with more than one vehicle and an average price greater than 10000. Your output should look like this:

Part Two: SQL Zoo

Complete the exercises in the Tutorials steps 6 and 7 in https://sqlzoo.net/

Solution

View Our Solution