

SQL Exercises

Data for these exercises can be found in the `sql_exercises.sql` on myCourses.

Note that `\dt` can be used in `psql` to list tables and `\d` followed by a table name will list all the columns and types in a table.

- 1.1 How many people are in each unique state in the `customers` table that have more than one person in the state? Select the state and display the number of how many people are in each if it's greater than 1.
- 1.2 From the `items_ordered` table, select the item, maximum price, and minimum price for each specific item in the table. Only display the results if the maximum price of the item is greater than 190.00.
- 1.3 How many orders did each customer make? Use the `items_ordered` table. For all customers who purchased more than 1 item, select the `customerid`, the number of orders they made, and the sum of their orders.
- 2.1 Select the `customerid`, `order_date`, and item from the `items_ordered` table for all items unless they are 'Snow Shoes' or if they are 'Ear Muffs'.
- 2.2 Select the item and price of all items that start with the letters 'S', 'P', or 'F'.
- 3.1 Select the date, item, and price from the `items_ordered` table for all of the rows that have a price value ranging from 10.00 to 80.00 (inclusive).
- 3.2 Select the `firstname`, `city`, and `state` from the `customers` table for all of the rows where the `state` value is either: Arizona, Washington, Oklahoma, Colorado, or Hawaii.
- 4.1 Write a query using a join to determine which items were ordered by each of the customers in the `customers` table. Select the `customerid`, `firstname`, `lastname`, `order_date`, item, and price for everything each customer purchased in the `items_ordered` table.