

Module 4 Lab

Lab Notes:

Complete as many of the following problems as you can in the available lab time. Please ask your instructor for help as needed.

Any that you don't complete can be used as self-study aids outside of class. An answer key can be found on your lab machine in the C:\SQLForDA\ folder.

Query Problems:

1. Write a query that returns the total number of notes entered by each sales person in the dbo.CustomerNotes table. The query should list the full name of the sales person in the form LastName, FirstName, and sort the results by the number of notes entered in descending order.
2. Modify the query you wrote in Query Problem 1 to only retrieve notes entered by currently active sales people.
3. Write a query to return a single row containing the RuralUrban group name and sales total for the RuralUrban group with the with the highest sales total. Alias the total sales column as [Total Sales]
4. Produce a list of the two demographic groups that have spent the most on cars. Sort the list from highest spending to lowest spending. HINT: You only need to use the DemogroupID as the grouping column.
5. Find the number of cars of each make, model, and year sold each year to the two DemogroupID's found in Query Problem 4 above. The year sold column should be named [Year Sold], and the number of cars sold column should be named [Number of Cars Sold]. Sort the result set by the number of cars sold, from most to least.

HINT:

- a. Apply the YEAR function to the SalesDate column to produce the Year grouping column (i.e. YEAR(SalesDate)).
- b. Apply the COUNT aggregate function to the SaleID column to count the number of cars sold.