

CSU101
Summer 09
Lab Assignment A2

For each problem you are given a question in English. Your job is to figure out how to ask the database the question using a query or multiple queries. The answer that a database gives will depend upon the data within the database. You should write the query so that it gives the correct answer regardless of what data is in the database. Each question is worth 10 pts.

Name each query starting with its question number (e.g., 01, 02, etc.). Make it clear which query is the final answer, and which is a sub-query, if appropriate. You can do this by naming the final answer 01, and the sub-queries 01a, 01b, etc.

The answers for “who” questions should include first name, last name and contactID and should not include duplicates. If asked for a product, include its name and productID. A ‘line item’ is a single item purchased in an order; in other words, it does not take into account quantity (see questions 3 and 5).

1. How many contacts are there from each state?
2. How many contacts are there who placed at least one order, from each state?
3. How many orders are there which include a line item (order detail) for more than \$500?
4. How many orders are there which have a total value of more than \$1000?
5. How many contacts placed an order which included a line item for more than \$500?
6. How many contacts placed an order which had a total value of more than \$1000?
7. How many contacts are there who ordered a combined total for all of their orders, of more than \$2000 of merchandise
8. What is the average cost of an order?
9. For each state from which an order was placed, what is the average cost of an order from that state?
10. Who spent the most money on all of the monitors they ordered? (You can assume any monitor has the word “monitor” in its product name.)