

Lab 4 (Chapter 5 & 6)
GEOG 171/172
Spring, 2008
Due: Wednesday, March 19

DATABASE TABLES AND QUERYING THEM

Before you start this series of questions, complete the “Mastering the Skills” tutorial on pp. 193 - 203.

1. How many counties in the United States have the name Jefferson? What is their 2000 population? Which one has the largest area?
2. Calculate the percentage of each state that is white. Which state has the largest number of whites? Which state is the highest percent white?
3. How many states have a population greater than 1,000,000? What is the query you used to answer this question?
4. Which subregion of the country has the most American Indians and Alaska Natives? Which subregion has the highest percentage?
5. Examine the table for the “US States” layer? Which two fields might be used for a join with a standalone table describing attributes of states? There is a third field also. For one point extra credit, what is it?
6. Do questions 4 and 5 on p. 204
7. Do question 6 on p. 204, but discuss the 6 states that had the most losing counties.
8. Do question 7 on p. 205, but you are the PR director of a group seeking aid for Black artists instead of Native American artists.
9. Which 3 states have the highest percentage of people who are married? Which 3 states have the highest percentage of people who are divorced?

Before you start this series of questions, complete the “Mastering the Skills” tutorial on pp. 230 - 239

1. Do q. 1 above, but with a query. What was your query? Which state has the Jefferson county with the fewest people in the year 2000?
2. How many counties in the United States have more women than men? What percentage of the counties do they represent?
3. How many cities in the United States have more blacks than Hispanics, median rents greater than \$300, and a population less than 500,000?
4. Do q. 4 on p. 240, but describe how you got your answer
5. Do. q. 5 on p. 240, but describe how you got your answer.
6. Do q. 6 on p. 240, but answer the question within 100 miles.
7. Do q. 7 on p. 240, but answer the question within 400 miles and 100 miles.
8. Do q. 10 on p. 240 and turn in the map with your lab. **Export the map** to pdf or jpg and name it q8.pdf or q8.jpg. Any other format will receive 0 points!