



# Developing Database Queries



In this activity, you will develop ideas for queries that will extract information from database data. You can describe your virtual database scenarios by writing with pen and paper or typing on a word processor.

*For this activity, use the virtual relational database scenarios that you created in the Lesson 1 activity titled "It's Easier If They're Related!"*

1. Suitable for an individual or in teams of two to four people each.
2. Using the virtual relational database scenarios that you created in an earlier activity, add new fields and records to your database tables.

For example, using the states scenario, suppose you want to add information such as the population and area of each state; the population of the capital and largest cities; how each state ranks in various categories, such as education, employment, and so forth.

3. Discuss and write down some queries you could create to extract specific pieces of data from your database. Remember that queries are simply questions asking for specific information. For example:
  - Which cities across multiple states have the same name?
  - Which state ranks first (or last) in education?
  - Which state ranks first (or last) in employment?
  - For which state is the largest city and the capital city the same city?