HW #1
DISC 101

Due: Thursday September 8\textsuperscript{nd} at the beginning of class.

Assignment: Download the sample access database (MONDIAL.accdb) from the website and answer the questions below. You will need to run Microsoft Access to complete this lab. A lot of you already have Microsoft Access, but you might not know it. Often it is distributed with Microsoft Office. If you do not have Microsoft Access, you can use the computers in the Computer Lab (218 J.C. Long). To log into the computers in the Computer Science Lab you will need your college username and password. Specifically, you will need to log in using cougars\username or username@cougars.int.

Turn in: The answers to the questions.

Points: 20 (2 points each)

1. How many tables are in database?
2. What are the names of the fields in the City table?
3. What are the data types for the fields in the Country table?
4. What are the primary keys for each table?
5. Draw the relationships between the tables (hint: click Database Tools and then Relationships)?
6. What are the foreign keys for each table?
7. What is the relationship between City and Country (e.g., one-to-one, one-to-many, many-to-many)?
8. Using the City and Country table names, fill in the following statement:
   For every 1 _______ there can be 0 or more _______.
9. What is the purpose of a database?
10. What is the difference between a database and a data warehouse?