CS2910

Advanced SQL queries

Use the Mondial Database to answer the following questions. Save your SQL queries in a text file called myQuery<your name>.sql

Answering these questions will require that you study the relational schema for the database. This schema is available at Mondial RS

1. Find the average elevation of all lakes of type caldera NOTE : watch for null values!!

2. Find the name of all lakes with elevation greater than your results from Q1

3. Find the name of all countries with a total area greater than 400,000 and a GDP greater than

   5,000,000,000 with a date of independence after Dec 31, 1950 (you will to need to use a

   function call TO_DATE())

4. Find the population of all cities that are located by the Caspian Sea or by the Rhein river.

5. Give the name of every country and the number of airports located in that country. Make sure

   to only show those countries that have more than 5 airports located in them. Sort the results by

   country name.

6. Find the name of all the cities located in North America.

   | should be or-not and

7. Give the name of all countries with a population greater than 10,000,000 and an inflation rate

   greater than 10%. This question must be answered using a natural join and UNION operator)

8. Give the type and average depth for each type of lake. Show only those with average depth

   between 1000 and 2000. Sort your results by type.   100 and 200-not 1000 and 2000