

Multi-table query assignment. Due 3-22-13.

Create SQL queries to extract the following from the tables, whose metadata is shown.

| Table: city | | | |
|-------------|-----------|------|---|
| column name | data type | size | notes about the data |
| ID | Number | 11 | City Id Code (primary key) |
| name | Text | 35 | Name of City |
| countryCode | Text | 3 | Country Code foreign Key to Country(Code) |
| District | Text | 20 | |
| Population | Number | 11 | |

| Table: country | | | |
|----------------|-----------|--------|---|
| column name | data type | size | notes about the data |
| Code | Text | 3 | Country Code (primary key) |
| Name | Text | 52 | street address |
| Continent | Text | 13 | Asia, Europe, North America, Africa, Oceania, Antarctica, South America |
| Region | Text | 26 | |
| SurfaceArea | number | (10,2) | |
| IndepYear | Number | 6 | Year of independence |
| Population | Number | 11 | |
| LifeExpectancy | Number | (3,1) | |
| GNP | Number | (10,2) | |
| GNPOld | Number | (10,2) | |
| LocalName | Text | 45 | |
| GovermentForm | Text | 45 | |
| HeadOfState | Text | 60 | |
| Capital | Number | 11 | foreign Key to City (ID) |
| Code2 | Text | 2 | |

| Table: countrylanguage | | | |
|------------------------|-----------|-------|---|
| column name | data type | size | notes about the data |
| CountryCode | Text | 3 | Country Code (primary key) foreign Key to Country(Code) |
| Language | Text | 30 | Language (primary key) |
| IsOfficial | Text | 1 | Official Language (T or F) |
| Percentage | Number | (4,1) | |

Loading the world DB. Copy world.sql to c:\ (root). Start MySQL

```
create database world;  
use world;  
source c:\world.sql;
```

Please use descriptive column names were needed.

1. The Continent, Country Name, District, City Name and City Population of for all cities with a population of over 3 million people. Sort the results by Continent, Country Name, District and City Name.
2. The Country Name, Language percentage, and population for all countries where English is the official language. Sort the results by descending percentage, ascending Country Name.
3. The Life Expectancy, Country Population, Country Name, Head of State and Official Language of countries with more than 100 million people. Sort the results by Life Expectancy, Population.
4. The Country Name and Capital City of countries with surface area greater than 2 million.
5. The Country Name, Independence Year, Capital City Name, Language, Language Percentage, with Independence Year > 1991. Sort the results by country name ascending and language percentage Descending.