

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.