Countries Queries:

1. What query would you run to get all the countries that speak Slovene? Your query should return the name of the country, language and language percentage. Your query should arrange the result by language percentage in descending order. (1)

SELECT countries.name, languages.language, languages.percentage

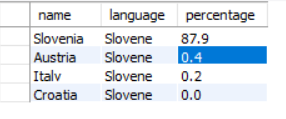
FROM countries

JOIN languages

WHERE countries.code = languages.country\_code

AND languages.language = 'Slovene'

ORDER BY languages.percentage DESC;



2. What query would you run to display the total number of cities for each country? Your query should return the name of the country and the total number of cities. Your query should arrange the result by the number of cities in descending order. (3)

SELECT countries.name, COUNT(cities.id) as cities

FROM countries

JOIN cities

ON countries.code = cities.country\_code

GROUP BY countries.code

ORDER BY COUNT(cities.id) DESC;



3. What query would you run to get all the cities in Mexico with a population of greater than 500,000? Your query should arrange the result by population in descending order. (1)

SELECT cities.name, cities.population

FROM cities

JOIN countries

WHERE countries.code = cities.country\_code

AND countries.name = 'Mexico'

AND cities.population > 500000

ORDER BY cities.population DESC;



4. What query would you run to get all languages in each country with a percentage greater than 89%? Your query should arrange the result by percentage in descending order. (1)

SELECT countries.name, languages.language, languages.percentage

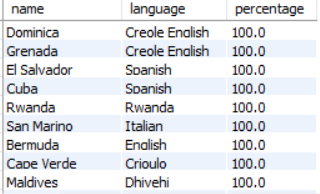
FROM countries

JOIN languages

WHERE countries.code = languages.country\_code

AND languages.percentage > 89.00

ORDER BY languages.percentage DESC;



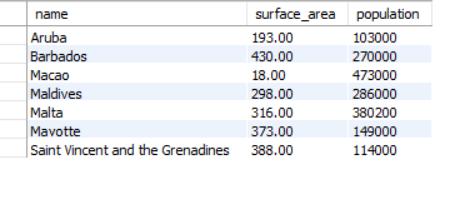
5. What query would you run to get all the countries with Surface Area below 501 and Population greater than 100,000? (2)

SELECT countries.name, countries.surface\_area, countries.population

FROM countries

WHERE countries.surface\_area < 501

AND countries.population > 100000;



6. What query would you run to get countries with only Constitutional Monarchy with a capital greater than 200 and a life expectancy greater than 75 years? (1)

SELECT countries.name, countries.government\_form, countries.capital, countries.life\_expectancy

FROM countries

JOIN cities

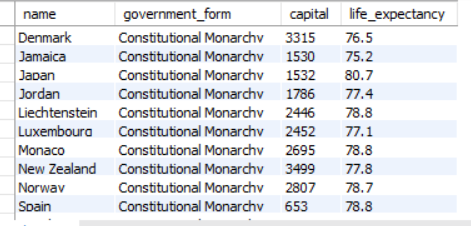
WHERE countries.code = cities.country\_code

AND countries.government\_form = 'Constitutional Monarchy'

AND countries.capital > 200

AND countries.life\_expectancy > 75

GROUP BY countries.name;



7. What query would you run to get all the cities of Argentina inside the Buenos Aires district and have the population greater than 500, 000? The query should return the Country Name, City Name, District and Population. (2)

SELECT countries.name, cities.name, cities.district, cities.population

FROM countries

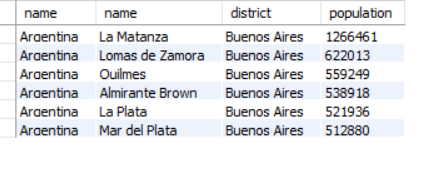
JOIN cities

WHERE countries.code = cities.country\_code

AND countries.name = 'Argentina'

AND cities.district = 'Buenos Aires'

AND cities.population > 500000;



8. What query would you run to summarize the number of countries in each region? The query should display the name of the region and the number of countries. Also, the query should arrange the result by the number of countries in descending order. (2)

SELECT region, COUNT(id) as num\_of\_countries

FROM countries

GROUP BY region

ORDER BY COUNT(id) DESC;

