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 name,

language,

percentage

FROM world.languages

JOIN world.countries ON languages.country\_id = countries.id

WHERE language = 'Slovene'

ORDER BY 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 AS country\_name, COUNT(cities.id) AS number\_of\_cities

FROM countries

JOIN cities ON countries.code = country\_code

GROUP BY country\_name

ORDER BY number\_of\_cities 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 name,

population

FROM world.cities

WHERE population > 500000

ORDER BY 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 language,

countries.name,

percentage

FROM world.languages

JOIN world.countries ON languages.country\_id = countries.id

WHERE percentage > 89

ORDER BY 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 name,

surface\_area,

population

FROM world.countries

WHERE surface\_area < 501 AND 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 name,

government\_form,

capital,

life\_expectancy

FROM world.countries

WHERE government\_form = 'Constitutional Monarchy' AND capital > 200 AND life\_expectancy > 75;

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,

district,

cities.population

FROM world.cities

JOIN world.countries ON cities.country\_id = countries.id

WHERE countries.name = 'Argentina' AND 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 number\_of\_countries

FROM countries

GROUP BY region

ORDER BY number\_of\_countries DESC;