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.

```
SELECT countries.name, languages.language, languages.percentage
FROM countries
JOIN languages
ON countries.code = languages.country_code
WHERE languages.language = 'Slovene'
ORDER BY languages.percentage DESC;
USE world;
```

Untitled

name	language	percentage
Slovenia	Slovene	87.9
Austria	Slovene	0.4
Italy	Slovene	0.2
Croatia	Slovene	0.0

---

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.

```
SELECT countries.name, COUNT(cities.id)
FROM countries
JOIN cities
ON countries.code = cities.country_code
GROUP BY countries.name
ORDER BY COUNT(cities.id) DESC;
```

name	COUNT(cities.id)
China	363
India	341
United States	274
Brazil	250
Japan	248
Russian Federation	189
Mexico	173
Philippines	136
Germany	93
Indonesia	85
United Kingdom	81
South Korea	70
Iran	67
Nigeria	64
Turkey	62
Spain	59
Pakistan	59
Italy	58
Argentina	57
Ukraine	57
Canada	49
South Africa	44
Poland	44
Taiwan	42
Venezuela	41
France	40
Colombia	38
Egypt	37
Chile	29
Romania	29
Netherlands	28

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.

SELECT cities.name, cities.population, countries.id
FROM countries
LEFT JOIN cities
ON countries.code = cities.country_code
WHERE countries.name = "Mexico" AND cities.population >= 500000
ORDER BY population DESC;

name	population	id
Ciudad de MÃ©xico	8591309	136
Guadalajara	1647720	136
Ecatepec de Morelos	1620303	136
Puebla	1346176	136
NezahualcÃ³yotl	1224924	136
JuÃ¡rez	1217818	136
Tijuana	1212232	136
LeÃ³n	1133576	136
Monterrey	1108499	136
Zapopan	1002239	136
Naucalpan de JuÃ¡rez	857511	136
Mexicali	764902	136
CuliacÃ¡n	744859	136
Acapulco de JuÃ¡rez	721011	136
Tlalnepantla de Baz	720755	136
MÃ©rida	703324	136
Chihuahua	670208	136
San Luis PotosÃ	669353	136
Guadalupe	668780	136
Toluca	665617	136
Aguascalientes	643360	136
QuerÃ©taro	639839	136
Morelia	619958	136
Hermosillo	608697	136
Saltillo	577352	136
TorreÃ³n	529093	136
Centro (Villahermosa)	519873	136

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.

SELECT countries.name, languages.language, languages.percentage
FROM countries
LEFT JOIN languages
ON countries.code = languages.country_code
WHERE languages.percentage >= 89
ORDER BY languages.percentage DESC;

name	language	percentage
Grenada	Creole English	100.0
Cuba	Spanish	100.0
El Salvador	Spanish	100.0
Rwanda	Rwanda	100.0
Bermuda	English	100.0
Maldives	Dhivehi	100.0
Faroe Islands	Faroese	100.0
Haiti	Haiti Creole	100.0
Western Sahara	Arabic	100.0
Dominica	Creole English	100.0
Saint Kitts and Nevis	Creole English	100.0
San Marino	Italian	100.0
Cape Verde	Crioulo	100.0
North Korea	Korean	99.9
South Korea	Korean	99.9
Yemen	Arabic	99.6
Bosnia and Herzegovina	Serbo-Croatian	99.2
Saint Vincent and the Grenadines	Creole English	99.1
Japan	Japanese	99.1
Colombia	Spanish	99.0
Portugal	Portuguese	99.0
Kiribati	Kiribati	98.9
Madagascar	Malagasy	98.9
Egypt	Arabic	98.8
Hungary	Hungarian	98.5
Greece	Greek	98.5
Ireland	English	98.4
Somalia	Somali	98.3
Tonga	Tongan	98.3
Burundi	Kirundi	98.1
Dominican Republic	Spanish	98.0

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

SELECT countries.name, countries.surface_area, countries.population
FROM countries
WHERE countries.surface_area < 501
AND countries.population >=100000;

Untitled

name	surface_area	population
Aruba	193.00	103000
Barbados	430.00	270000
Macao	18.00	473000
Maldives	298.00	286000
Malta	316.00	380200
Mayotte	373.00	149000
Saint Vincent and the Grenadines	388.00	114000

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?

SELECT countries.name, countries.capital, countries.government_form, countries.life_expectancy
FROM countries
WHERE countries.government_form = 'Constitutional Monarchy'
AND countries.capital >= 200
AND countries.life_expectancy >= 75;

name	capital	government_form	life_expectancy
Denmark	3315	Constitutional Monarchy	76.5
Spain	653	Constitutional Monarchy	78.8
United Kingdom	456	Constitutional Monarchy	77.7
Jamaica	1530	Constitutional Monarchy	75.2
Jordan	1786	Constitutional Monarchy	77.4
Japan	1532	Constitutional Monarchy	80.7
Liechtenstein	2446	Constitutional Monarchy	78.8
Luxembourg	2452	Constitutional Monarchy	77.1
Monaco	2695	Constitutional Monarchy	78.8
Norway	2807	Constitutional Monarchy	78.7
New Zealand	3499	Constitutional Monarchy	77.8
Sweden	3048	Constitutional Monarchy	79.6

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.

SELECT countries.name, cities.name, cities.district,
cities.population
FROM countries
LEFT JOIN cities
ON countries.code = cities.country_code
WHERE countries.name = 'Argentina'
AND cities.district = 'Buenos Aires'
AND cities.population > 500000;

name	name	district	population
Argentina	La Matanza	Buenos Aires	1266461
Argentina	Lomas de Zamora	Buenos Aires	622013
Argentina	Quilmes	Buenos Aires	559249
Argentina	Almirante Brown	Buenos Aires	538918
Argentina	La Plata	Buenos Aires	521936
Argentina	Mar del Plata	Buenos Aires	512880

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.

SELECT countries.region, COUNT(*) AS countries
FROM countries
GROUP BY countries.region

region	countries
Caribbean	24
Southern and Central Asia	14
Central Africa	9
Southern Europe	15
Middle East	18
South America	14
Polynesia	10
Antarctica	5
Australia and New Zealand	5
Western Europe	9
Eastern Africa	20
Western Africa	17
Eastern Europe	10
Central America	8
North America	5
Southeast Asia	11
Southern Africa	5
Eastern Asia	8
Nordic Countries	7
Northern Africa	7
Baltic Countries	3
Melanesia	5
Micronesia	7
British Islands	2
Micronesia/Caribbean	1