Assignment: MySQL Countries

Queries

1)
SELECT countries.name, languages.language, languages.percentage
FROM countries
JOIN languages
WHERE languages.country_id = countries.id AND languages.language = 'Slovene'
ORDER BY languages.percentage DESC

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

2)
SELECT countries.name, COUNT(cities.id) AS n_cities
FROM cities
LEFT JOIN countries
ON cities.country_id = countries.id
GROUP BY countries.name
ORDER BY n_cities DESC

name	n_cities
▶ China	363
India	341
United States	274
Brazil	250
Japan	248
Russian Federation	189
Mexico	173
Philippines	136
Germany	93

3)
SELECT cities.name, cities.population
FROM cities

LEFT JOIN countries
ON cities.country_code = countries.code
WHERE countries.name = 'Mexico' AND cities.population > 500000
ORDER BY cities.population DESC

name	population
▶ Ciudad de MÃ©xico	8591309
Guadalajara	1647720
Ecatepec de Morelos	1620303
Puebla	1346176
NezahualcÃ³yotl	1224924
JuÃ¡rez	1217818
Tijuana	1212232
LeÃ³n	1133576

4)
SELECT countries.name, languages.language, languages.percentage
FROM countries
LEFT JOIN languages
ON countries.id = languages.country_id
WHERE countries.id = languages.country_id AND languages.percentage > 89
ORDER BY languages.percentage DESC

name	language	percentage
▶ Grenada	Creole English	100.0
Faroe Islands	Faroese	100.0
San Marino	Italian	100.0
El Salvador	Spanish	100.0
Haiti	Haiti Creole	100.0
Rwanda	Rwanda	100.0
Western Sahara	Arabic	100.0
Bermuda	English	100.0
Maldives	Dhivehi	100.0

5)
SELECT countries.name, countries.surface_area, countries.population
FROM countries
WHERE countries.surface_area < 501 AND countries.population > 100000

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

name	government_form	capital	life_expectancy
Denmark	Constitutional Monarchy	3315	76.5
Spain	Constitutional Monarchy	653	78.8
United Kingdom	Constitutional Monarchy	456	77.7
Jamaica	Constitutional Monarchy	1530	75.2
Jordan	Constitutional Monarchy	1786	77.4
Japan	Constitutional Monarchy	1532	80.7
Liechtenstein	Constitutional Monarchy	2446	78.8
Luxembourg	Constitutional Monarchy	2452	77.1
Monaco	Constitutional Monarchy	2695	78.8

7)
```
SELECT countries.name, cities.name, cities.district, cities.population
FROM cities
LEFT JOIN countries
ON cities.country_id = countries.id
WHERE 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)
SELECT countries.region, COUNT(countries.name) AS n_countries
FROM countries
GROUP BY countries.region
ORDER BY n_countries DESC

region	n_countries
Caribbean	24
Eastern Africa	20
Middle East	18
Western Africa	17
Southern Europe	15
Southern and Central Asia	14
South America	14
Southeast Asia	11
Eastern Europe	10