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Assignment: Queries: World (Practice)

1. What query would you run to get all the countries with a Surface Area below 501 and a Population greater than 100,000? Include the country name, surface area, and population in your results.

```
3 • SELECT name, surface_area, population
4 FROM countries
5 WHERE surface_area < 501 AND population > 100000;
```

100% 50:5

Result Grid Filter Rows: Search Export:

	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

2. What query would you run to get countries with only a Constitutional Monarchy with a capital greater than 200 and a life expectancy greater than 75 years? Include the country name, form of government, and capital in your results.

```
7 • SELECT name, government_form, capital
8 FROM countries
9 WHERE government_form = 'Constitutional Monarchy' AND life_expectancy > 75 AND capital > 200;
```

100% 94:9

Result Grid Filter Rows: Search Export:

	name	government_form	capital
▶	Denmark	Constitutional Monarchy	3315
▶	Spain	Constitutional Monarchy	653
▶	United Kingdom	Constitutional Monarchy	456
▶	Jamaica	Constitutional Monarchy	1530
▶	Jordan	Constitutional Monarchy	1786
▶	Japan	Constitutional Monarchy	1532
▶	Liechtenstein	Constitutional Monarchy	2446
▶	Luxembourg	Constitutional Monarchy	2452
▶	Monaco	Constitutional Monarchy	2695
▶	Norway	Constitutional Monarchy	2807
▶	New Zealand	Constitutional Monarchy	3499
▶	Sweden	Constitutional Monarchy	3048

3. 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.

```
11 • SELECT region, COUNT(name)
12 FROM countries
13 GROUP BY region
14 ORDER BY COUNT(name) DESC;
```

100% 27:14

**Result Grid** Filter Rows: Search Export:

region	COUNT(name)
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
Polynesia	10
Eastern Europe	10
Central Africa	9
Western Europe	9
Central America	8
Eastern Asia	8

4. 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.

```

16 • SELECT c.name, l.language, l.percentage
17 FROM countries AS c
18 JOIN Languages AS l
19 ON c.id = l.country_id
20 WHERE l.language = 'Slovene'
21 ORDER BY l.percentage DESC;

```

100% 28:21

Result Grid Filter Rows: Search Export:

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

5. 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.

```

23 • SELECT c.name, COUNT(ct.name)
24 FROM countries AS c
25 JOIN cities as ct
26 ON c.id = ct.country_id
27 GROUP BY c.name
28 ORDER BY COUNT(ct.name) DESC;

```

100% 30:28

Result Grid Filter Rows: Search Export:

	name	COUNT(ct.name)
▶	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

6. 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.

```
30 • SELECT ct.name, ct.population
31 FROM countries AS c
32 JOIN cities AS ct
33 ON c.id = ct.country_id
34 WHERE c.name = 'Mexico' AND ct.population > 500000
35 ORDER BY ct.population DESC;
```

name	population
► Ciudad de México	8591309
Guadalajara	1647720
Ecatepec de Morelos	1620303
Puebla	1346176
Nezahualcóyotl	1224924
Juárez	1217818
Tijuana	1212232
León	1133576
Monterrey	1108499
Zapopan	1002239
Naucalpan de Juárez	857511
Mexicali	764902
Quilacayn	744859
Acapulco de Juárez	721011
Tlalhepatla de Baz	720755
Mérida	709924

7. What query would you run to get all languages in each country with a percentage greater than 89%? Include the country name, language, and percentage. Your query should arrange the result by percentage in descending order.

```
37 • SELECT c.name, l.language, l.percentage
38 FROM countries AS c
39 JOIN languages AS l
40 ON c.id = l.country_id
41 WHERE l.percentage > 89
42 ORDER BY l.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
Dominica	Creole English	100.0
Cape Verde	Crioulo	100.0
Saint Kitts and...	Creole English	100.0
Cuba	Spanish	100.0
North Korea	Korean	99.9
South Korea	Korean	99.9
Yemen	Arabic	99.9

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

```
44 • SELECT c.name, ct.name, ct.district, ct.population
45 FROM countries AS c
46 JOIN cities AS ct
47 ON c.id = ct.country_id
48 WHERE c.name = 'Argentina'
49       AND ct.district = 'Buenos Aires'
50       AND ct.population > 500000;
```

00% 29:50

**Result Grid** Filter Rows: Search Export:

	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