

# MySQL Workbench Queries

Carlo Lopez

1. What query would you run to summarize the number of countries in each continent? The query should display the name of the continent and the number of countries. Also, the query should arrange the result by the number of countries in descending order.

```
1 SELECT continent, COUNT(name) AS "num of countries"
2 FROM countries
3 GROUP BY continent
4 ORDER BY COUNT(name) DESC;
```

100% 27:4

Result Grid Filter Rows: Search Export:

	continent	num of countries	
	Africa	58	
	Asia	51	
	Europe	46	
	North America	37	
	Oceania	28	
	South America	14	
	Antarctica	5	

2. What query would you run to get all the countries that speak Greek? 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
2 FROM countries
3 JOIN languages
4 ON countries.id = languages.country_id
5 WHERE languages.language = 'Greek'
6 ORDER BY languages.percentage DESC;
```

100% 36:6

Result Grid Filter Rows: Search Export:

	name	language	percentage
	Greece	Greek	98.5
	Cyprus	Greek	74.1
	Albania	Greek	1.8
	Australia	Greek	1.6
	Germany	Greek	0.4

Result Grid Form Editor

3. What query would you run to get all the countries with Surface Area less than 1000 OR a population greater than 100,000,000? Include the country name, surface area, and population in your results.

```
1 SELECT name, surface_area, population
2 FROM countries
3 WHERE surface_area < 1000
4 OR population > 1000000000
```

100%



27:4

Result Grid



Filter Rows:



Search

Export:



	name	surface_area	population	
	Aruba	193.00	103000	
	Anguilla	96.00	8000	
	Andorra	468.00	78000	
	Netherlands Antilles	800.00	217000	
	American Samoa	199.00	68000	
	Antigua and Barbuda	442.00	68000	
	Bahrain	694.00	617000	
	Bermuda	53.00	65000	
	Barbados	430.00	270000	
	Bouvet Island	59.00	0	
	Cocos (Keeling) Islands	14.00	600	
	China	9572900.00	1277558000	
	Cook Islands	236.00	20000	
	Christmas Island	135.00	2500	

4. What query would you run to get countries with a government form of “Federal Republic” with a life expectancy of less than 75 years? Include the country name, form of government, and life expectancy in the results.

```
1 SELECT name, government_form, life_expectancy
2 FROM countries
3 WHERE government_form = "Federal Republic"
4 AND life_expectancy < 75
```

100% 25:4

Result Grid Filter Rows: Search Export:

	name	government_fo...	life_expectan...	
	Azerbaijan	Federal Republic	62.9	
	Bosnia and Herzegovina	Federal Republic	71.5	
	Brazil	Federal Republic	62.9	
	Micronesia, Federated States of	Federal Republic	68.6	
	India	Federal Republic	62.5	
	Madagascar	Federal Republic	55.0	
	Mexico	Federal Republic	71.5	
	Nigeria	Federal Republic	51.6	
	Russian Federation	Federal Republic	67.2	
	Venezuela	Federal Republic	73.1	
	Yugoslavia	Federal Republic	72.4	

5. What query would you run to get all the cities of Mexico inside the Veracruz district and have a population greater than 100,000? The query should return the Country Name, City Name, District, and Population.

```
1 • SELECT countries.name AS country, cities.name AS city, cities.district, cities.population
2 FROM countries
3 JOIN cities
4 ON countries.id = cities.country_id
5 WHERE cities.district = "Veracruz"
6 AND cities.population > 100000
```

100% 31:6

Result Grid Filter Rows: Search Export:

	country	city	district	population
	Mexico	Veracruz	Veracruz	457119
	Mexico	Xalapa	Veracruz	390058
	Mexico	Coatzacoalcos	Veracruz	267037
	Mexico	CArdoba	Veracruz	176952
	Mexico	Papantla	Veracruz	170123
	Mexico	Minatitlán	Veracruz	152983
	Mexico	Poza Rica de Hidalgo	Veracruz	152678
	Mexico	San Andrés Tuxtla	Veracruz	142251
	Mexico	TÁxpam	Veracruz	126475
	Mexico	Martínez de la Torre	Veracruz	118815
	Mexico	Orizaba	Veracruz	118488
	Mexico	Temapache	Veracruz	102824

6. What query would you run to get all the ten cities in Brazil with the smallest population? Your query should include the country name, city name, and population. Arrange the result by population in ascending order. Limit the result to the 10 cities with the smallest population.

```

1 SELECT countries.name AS countries, cities.name AS cities, cities.population
2 FROM countries
3 JOIN cities
4 ON countries.id = cities.country_id
5 WHERE countries.name = "Brazil"
6 ORDER BY cities.population ASC
7 LIMIT 10;

```

100% 10:7

Result Grid Filter Rows: Search Export: Fetch rows:

countries	cities	population
Brazil	Águas Lindas de Goiás	89200
Brazil	Poá	89236
Brazil	Bento Gonçalves	89254
Brazil	Barra do Piraí	89388
Brazil	Palhoça	89465
Brazil	Corumbá	90111
Brazil	Ituiutaba	90507
Brazil	Patos	90519
Brazil	Campo Largo	91203
Brazil	Votorantim	91777

Result Grid Form Editor Field Types

7. What query would you run to get all languages spoken greater than 10% in Monaco? Display the country name, language, and percentage.

```

1 SELECT countries.name, languages.language, languages.percentage
2 FROM countries
3 JOIN languages
4 ON countries.id = languages.country_id
5 WHERE countries.name = "Monaco"
6 AND languages.percentage > 10

```

100% 30:6

Result Grid Filter Rows: Search Export:

name	language	percentage
Monaco	French	41.9
Monaco	Italian	16.1
Monaco	Monegasque	16.1