
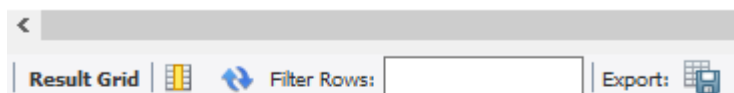


# MySQL Workbench Queries

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)
2   from countries
3   group by continent
4   order by count(name) desc
```



	continent	count(name)
▶	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 c.name, l.language, l.percentage`  
 2 `from countries c right join languages l`  
 3 `on c.code = l.country_code`  
 4 `order by l.percentage desc`

< **Result Grid** | Filter Rows:  | Export:


	name	language	percentage
▶	Bermuda	English	100.0
	Cape Verde	Crioulo	100.0
	Cuba	Spanish	100.0
	Dominica	Creole English	100.0
	Western Sahara	Arabic	100.0
	Faroe Islands	Faroese	100.0
	Grenada	Creole English	100.0
	Haiti	Haiti Creole	100.0
	Saint Kitts and Nevis	Creole English	100.0
	Maldives	Dhivehi	100.0
	Rwanda	Rwanda	100.0

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 or population>1000000000
```

Result Grid			
Filter Rows: <input type="text"/>			
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	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
	Rouvet Island	59.00	0


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" and life_expectancy<75

```



	name	government_form	life_expectancy
▶	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

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 co.name, ci.name, ci.district, ci.population
2   from countries co right join cities ci
3   on co.code = ci.country_code
4  where co.name = "Mexico" and ci.district = "Veracruz" and ci.population > 100000
```

Result Grid				
Filter Rows: <input type="text"/>				
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Wrap Cell Content: <input type="button" value=""/>				
	name	name	district	population
▶	Mexico	Veracruz	Veracruz	457119
	Mexico	Xalapa	Veracruz	390058
	Mexico	Coatzacoalcos	Veracruz	267037
	Mexico	Córdoba	Veracruz	176952
	Mexico	Papantla	Veracruz	170123
	Mexico	Minatitlán	Veracruz	152983
	Mexico	Poza Rica de Hidalgo	Veracruz	152678
	Mexico	San Andrés Tuxtla	Veracruz	142251
	Mexico	Tampam	Veracruz	126475
	Mexico	Veracruz	Veracruz	110000

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 co.name, ci.name, ci.population
2  from countries co join cities ci
3  on co.code = ci.country_code
4  where co.name = "Brazil"
5  order by ci.population asc
6  limit 10

```

	name	name	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

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 c.name, l.language, l.percentage
2  from countries c join languages l
3  on c.code = l.country_code
4  where c.name="Monaco" and l.percentage>10

```

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