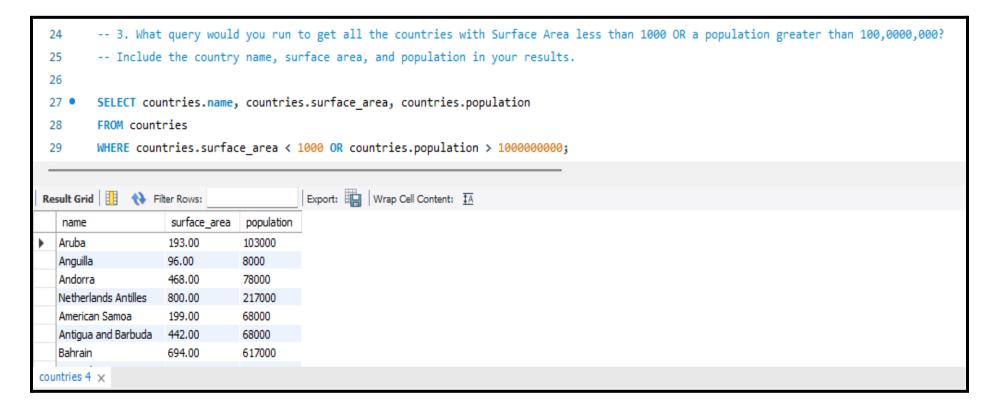
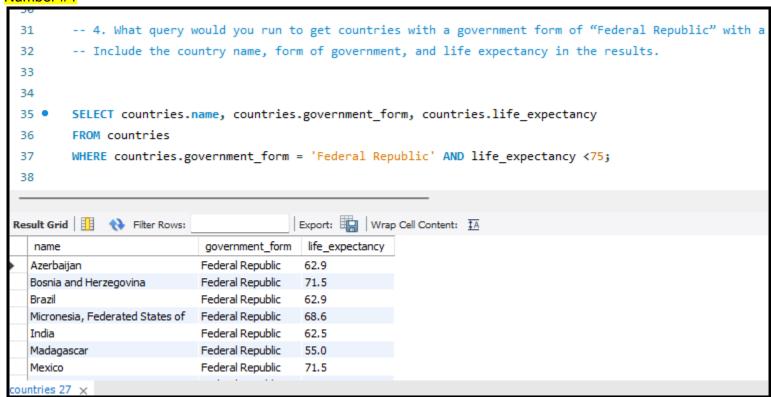
MYSQL Workbench Queries (Core) By Loraine Rodriguez

```
-- MySQL Workbench Queries (Core)
  2
        -- #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.
  5
  6
        SELECT continent, COUNT(*) AS number of countries
 7 •
  8
        FROM countries
 9
        GROUP BY continent
        ORDER BY number_of_countries DESC;
 10
 11
 12
 13
Result Grid
                                          Export: Wrap Cell Content: $\frac{1}{4}$
              Filter Rows:
  continent
               number_of_countries
  Africa
               58
  Asia
               51
  Europe
  North America
               37
  Oceania
               28
  South America 14
  Antarctica
               5
```

```
12
        -- #2 What query would you run to get all the countries that speak Greek?
13
        -- 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.
15
16
        SELECT countries.name, languages.language, languages.percentage
17 •
        FROM countries
18
        JOIN languages
19
        ON countries.id = languages.country_id
20
        WHERE languages.language = 'Greek'
21
        ORDER BY languages.percentage DESC;
22
23
                                        Export: Wrap Cell Content: IA
language percentage
  name
  Greece
           Greek
                   98.5
           Greek
                   74.1
  Cyprus
           Greek
                   1.8
  Albania
          Greek
                   1.6
  Australia
          Greek
                   0.4
  Germany
```





Scroll down for Number 5

```
-- 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.
40
41
         SELECT countries.name AS country_name, cities.name AS city_name, cities.district, cities.population AS city_population
 42 •
         FROM countries
 43
         JOIN cities ON countries.id = cities.country id
 44
         WHERE countries.name = 'Mexico'
 45
             AND cities.district = 'Veracruz'
 46
47
             AND cities.population > 100000;
 49
                                            Export: Wrap Cell Content: IA
Result Grid
               Filter Rows:
                                             city_population
   country_name
                city_name
                                    district
                Veracruz
                                             457119
  Mexico
                                   Veracruz
                Xalapa
                                             390058
  Mexico
                                   Veracruz
                Coatzacoalcos
                                             267037
  Mexico
                                   Veracruz
                Córdoba
  Mexico
                                             176952
                                   Veracruz
                Papantla
                                             170123
  Mexico
                                   Veracruz
                MinatitlÃin
                                             152983
  Mexico
                                   Veracruz
                Poza Rica de Hidalgo
  Mexico
                                   Veracruz
                                             152678
                San Andrés Tuxtla
  Mexico
                                             142251
                                   Veracruz
Result 6 🗶
```

```
-- 6. What query would you run to get all the ten cities in Brazil with the smallest population?
 50
         -- Your query should include the country name, city name, and population.
 51
         -- Arrange the result by population in ascending order. Limit the result to the 10 cities with the smallest population.
 52
 53
         SELECT countries.name AS country name, cities.name AS city name, cities.population AS city population
 54 •
         FROM countries
 55
         JOIN cities ON countries.id = cities.country id
 56
         WHERE countries.name = 'Brazil'
 57
         ORDER BY cities.population ASC
 58
 59
         LIMIT 10;
 60
 61
                                                                                         4
                                            Export: Wrap Cell Content: A Fetch rows:
Result Grid
               Filter Rows:
                                     city_population
   country_name
                city_name
                Ãguas Lindas de GoiÃis
                                    89200
   Brazil
                PoÃi
                                    89236
   Brazil
                Bento Gonà §alves
                                    89254
   Brazil
                Barra do PiraÃ-
                                    89388
   Brazil
   Brazil
                PalhoÃξa
                                    89465
                CorumbÃi
                                    90111
   Brazil
                Ituiutaba
   Brazil
                                    90507
  Brazil
                Patos
                                    90519
Result 8 ×
```

```
62
        -- #7 What query would you run to get all languages spoken greater than 10% in Monaco? Display the country name, language, and percentage.
63
64
65 •
        SELECT countries.name AS country_name, languages.language, languages.percentage
66
        FROM countries
        JOIN languages ON countries.id = languages.country_id
67
        WHERE countries.name = 'Monaco'
68
        AND languages.percentage >10;
69
70
71
                                         Export: Wrap Cell Content: 1A
Result Grid
             Filter Rows:
  country_name
              language
                           percentage
               French
                          41.9
  Monaco
  Monaco
               Italian
                          16.1
  Monaco
               Monegasque
                         16.1
```

Oopy of ERD for my reference

