

- ```
SELECT
    countries.name, languages.language,
    languages.percentage
FROM
    languages
    JOIN
        countries ON languages.country_id =
        countries.id
WHERE
    languages.language = 'Slovene'
ORDER BY languages.percentage DESC
;
```

2. 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.

| name               | cities |
|--------------------|--------|
| 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     |
| Turkey             | 62     |
| Spain              | 59     |
| Pakistan           | 59     |
| Italy              | 58     |
| Argentina          | 57     |
| Ukraine            | 57     |
| Canada             | 49     |
| Poland             | 44     |
| South Africa       | 44     |
| Taiwan             | 42     |

Result 115

Action Output

1

15:01:02

S 232 row(s) returned

3. 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.

```
SELECT
    cities.name, cities.population,
    cities.country_id
FROM
    cities
    JOIN
    countries ON cities.country_id = countries.id
WHERE
    cities.population > 500000
    AND countries.name = 'Mexico'
ORDER BY cities.population DESC
;
```

|   | name                | population | country_id |
|---|---------------------|------------|------------|
| ► | Ciudad de México    | 8591309    | 136        |
|   | Guadalajara         | 1647720    | 136        |
|   | Ecatepec de Morelos | 1620303    | 136        |
|   | Puebla              | 1346176    | 136        |
|   | Nezahualcóyotl      | 1224924    | 136        |
|   | Juárez              | 1217818    | 136        |
|   | Tijuana             | 1212232    | 136        |
|   | León                | 1133576    | 136        |
|   | Monterrey           | 1108499    | 136        |
|   | Zapopan             | 1002239    | 136        |
|   | Naucalpan de Juárez | 857511     | 136        |
|   | Mexicali            | 764902     | 136        |
|   | Culiacán            | 744859     | 136        |
|   | Acapulco de Juárez  | 721011     | 136        |
|   | Tlalnepantla de Baz | 720755     | 136        |
|   | Mérida              | 703324     | 136        |
|   | Chihuahua           | 670208     | 136        |
|   | San Luis Potosí     | 669353     | 136        |
|   | Guadalupe           | 668780     | 136        |
|   | Toluca              | 665617     | 136        |
|   | Aguascalientes      | 643360     | 136        |
|   | Querétaro           | 639839     | 136        |
|   | Morelia             | 619958     | 136        |
|   | Hermosillo          | 608697     | 136        |

cities 116

Action Output

|     | Time     | A | Response           |
|-----|----------|---|--------------------|
| ✓ 1 | 15:01:54 | S | 27 row(s) returned |

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

```
SELECT
    countries.name,
    languages.language,
    languages.percentage
FROM
    countries
    JOIN
    languages ON countries.id =
    languages.country_id
WHERE
    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      |
|   | 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         | 99.6       |
|   | Bosnia and He...   | Serbo-Croatian | 99.2       |
|   | Saint Vincent a... | Creole English | 99.1       |
|   | Japan              | Japanese       | 99.1       |
|   | Colombia           | Spanish        | 99.0       |
|   | Portugal           | Portuguese     | 99.0       |
|   | Kiribati           | Kiribati       | 98.9       |
|   | Madagascar         | Malagasy       | 98.9       |
|   | Egypt              | Arabic         | 98.8       |

Result 119

Action Output

|     | Time     | A | Response           |
|-----|----------|---|--------------------|
| ✓ 1 | 15:03:08 | S | 81 row(s) returned |

- ```
SELECT
    name, surface_area, population
FROM
    countries
WHERE
    surface_area < 501
    AND population > 100000;
```

6. What query would you run to get countries with only Constitutional Monarchy with a capital greater than 200 and a life expectancy greater than 75 years?

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

[illegible]

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

```
SELECT
    countries.name,
    cities.name,
    cities.district,
    cities.population
FROM
    countries
    JOIN
    cities ON countries.id = cities.country_id
WHERE
    countries.name = 'Argentina'
    and
    cities.district="Buenos Aires"
    AND cities.population > 500000
;
```

[illegible]

8. 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.

```
SELECT
    region, COUNT(countries.id)
FROM
    countries
GROUP BY region
ORDER BY
    COUNT(countries.id) DESC
;
```

region	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
Polynesia	10
Eastern Europe	10
Central Africa	9
Western Europe	9
Central America	8
Eastern Asia	8
Nordic Countries	7
Northern Africa	7
Micronesia	7
Antarctica	5
Australia and New Zealand	5
North America	5
Southern Africa	5
Melanesia	5
Baltic Countries	3
British Islands	2

Result 124

Action Output

Time

Response

✓ 1

15:07:16

S 25 row(s) returned