**World**

You will need to use the world database to solve these problems.

The steps to import databases are at the end of the [databases Windows installation module](https://qa-community.co.uk/~/_/learning/databases/databases--introduction).

**Tasks**

1. Using COUNT, get the number of cities in the USA.

SELECT COUNT(CountryCode) FROM city WHERE CountryCode="USA";

**Answer = 274**

1. Find out the population and life expectancy for people in Argentina.

SELECT Population, LifeExpectancy FROM country WHERE Name="Argentina";

**Answer = 75.1**

1. Using IS NOT NULL, ORDER BY, and LIMIT, which country has the highest life expectancy?

SELECT name, LifeExpectancy FROM country ORDER BY LifeExpectancy DESC

LIMIT 1;

**Answer = Andorra 83.5**

1. Using JOIN ... ON, find the capital city of Spain.

SELECT Country.Name, Continent, Capital, City.Name FROM country

JOIN city ON Capital=ID

WHERE country.Name = "Spain";

**Answer = Madrid**

1. Using JOIN ... ON, list all the languages spoken in the Southeast Asia region.

SELECT CountryCode, Language, country.name, Region FROM countrylanguage

JOIN country ON CountryCode=Code

WHERE Region="Southeast Asia";

SELECT

COUNT(Language)

FROM countrylanguage

JOIN country ON CountryCode=Code

WHERE Region="Southeast Asia";

**Answer = 65 languages are spoken in SE Asia**

1. Using a single query, list 25 cities around the world that start with the letter F.

SELECT \* FROM city

WHERE Name LIKE 'F%'

LIMIT 25;

1. Using COUNT and JOIN ... ON, get the number of cities in China.

SELECT COUNT(city.Name) FROM city

JOIN country ON CountryCode=Code

WHERE country.Name="China";

**Answer = 363 cities**

1. Using IS NOT NULL, ORDER BY, and LIMIT, which country has the lowest population? Discard non-zero populations.

SELECT Population, Name FROM country

WHERE (Population is NOT NULL AND Population>0)

ORDER BY Population ASC

LIMIT 1;

**Answer = Pitcairn (50)**

1. Using aggregate functions, return the number of countries the database contains.
2. What are the top ten largest countries by area?
3. List the five largest cities by population in Japan.
4. List the names and country codes of every country with Elizabeth II as its Head of State. You will need to fix the mistake first!
5. List the top ten countries with the smallest population-to-area ratio. Discard any countries with a ratio of 0.
6. List every unique world language.
7. List the names and GNP of the world's top 10 richest countries.
8. List the names of, and number of languages spoken by, the top ten most multilingual countries.
9. List every country where over 50% of its population can speak German.
10. Which country has the worst life expectancy? Discard zero or null values.
11. List the top three most common government forms.
12. How many countries have gained independence since records began?