1. show the name, continent and population of all countries.

SELECT name, continent, population FROM world

1. Show the name for the countries that have a population of at least 200 million. 200 million is 200000000, there are eight zeros.

SELECT name FROM world

WHERE population >= 200000000;

1. Give the name and the **per capita GDP** for those countries with a population of at least 200 million.

SELECT name , (gdp/population) as GDP FROM world

WHERE population >= 200000000;

1. Show the name and population in millions for the countries of the continent 'South America'. Divide the population by 1000000 to get population in millions.

select name , (population/1000000) as population from world

where continent='South America' ;

5.

Show the name and  population for France, Germany, Italy

select name , population from world

where name in ('France', 'Germany', 'Italy');

6.

Show the countries which have a name that includes the word 'United'

select name from world

where name like 'United%' ;

7.

Two ways to be big: A country is **big** if it has an area of more than 3 million sq km or it has a population of more than 250 million.

**Show the countries that are big by area or big by population. Show name, population and area.**

select name, population,area from world

where population >= 250000000 or area >= 3000000

order by name,population,area desc;

8.

**Exclusive OR (XOR). Show the countries that are big by area (more than 3 million) or big by population (more than 250 million) but not both. Show name, population and area.**

* Australia has a big area but a small population, it should be **included**.
* Indonesia has a big population but a small area, it should be **included**.
* China has a big population **and** big area, it should be **excluded**.
* United Kingdom has a small population and a small area, it should be **excluded**.

select name, population, area from world

where population > 250000000 xor area > 3000000

9.

Show the name and population in millions and the GDP in billions for the countries of the continent 'South America'. Use the [ROUND](https://sqlzoo.net/wiki/ROUND) function to show the values to two decimal places.

**For Americas show population in millions and GDP in billions both to 2 decimal places.**

*Millions and billions*

Divide by 1000000 (6 zeros) for millions. Divide by 1000000000 (9 zeros) for billions.

*Missing decimals*

For some version of SQL the division of an integer by an integer will be an integer. One way to prevent this is to divide by a floating point number such as 1000000.0.

select name, ROUND(population/1000000,2), ROUND(gdp/1000000000,2) from world

where continent = 'South America' ;

10.

Show the name and per-capita GDP for those countries with a GDP of at least one trillion (1000000000000; that is 12 zeros). Round this value to the nearest 1000.

**Show per-capita GDP for the trillion dollar countries to the nearest $1000.**

**select name, ROUND(gdp/population,-3) from world**

**where gdp > 1000000000000**