SELECT basics
quiz
SELECT from world
quiz
SELECT from nobel
quiz
SELECT in SELECT
quiz
SUM and COUNT
quiz
GROUP BY
quiz
More JOIN
quiz
Using NULL
quiz
Self JOIN
quiz

Reference
SELECT
Functions
SELECT ... WHERE
SELECT ... GROUP BY
SELECT ... JOIN
SELECT ... SELECT
INSERT ... VALUES
INSERT ... SELECT
UPDATE
DELETE
CREATE TABLE
CREATE VIEW
CREATE INDEX
DROP
ALTER
UNION
LEFT JOIN
NULL

Tools
What links here
Related changes
Special pages
Printable version
Permanent link
Page information

SELECT from WORLD Tutorial

Language: English : 日本語 : 中文

name	continent	area	population	gdp
Afghanistan	Asia	652230	25500100	20343000000
Albania	Europe	28748	2821977	12960000000
Algeria	Africa	2381741	37100000	188681000000
Andorra	Europe	468	78115	3712000000
Angola	Africa	1246700	20609294	100990000000

In this tutorial you will use the SELECT command on the table `world` :

Contents [hide]

1 Introduction
2 Large Countries
3 Per capita GDP
4 South America in millions
5 France, Germany, Italy
6 United
7 Two ways to be big
8 One or the other (but not both)
9 Rounding
10 Trillion dollar economies
11 Name and capital have the same length
12 Matching name and capital
13 All the vowels
14 What Next

Introduction

1.

Read the notes about this table. Observe the result of running this SQL command to show the name, continent and population of all countries.

```
SELECT name, continent, population FROM world
```

Submit SQL | Restore default

Correct answer

name	continent	population
Afghanistan	Asia	25500100
Albania	Europe	2821977
Algeria	Africa	38700000
Andorra	Europe	78088
Angola	Africa	19183590
Antigua and Barbuda	Caribbean	86295
Argentina	South America	42669500
Armenia	Eurasia	3017600

Large Countries

2.

How to use WHERE to filter records. 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
```

Submit SQL | Restore default

Correct answer

name
Brazil
China
India
Indonesia
United States

Per capita GDP

3.

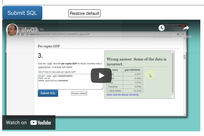
Give the `name` and the **per capita GDP** for those countries with a `population` of at least 200 million.

HELP! How to calculate per capita GDP

per capita GDP is the GDP divided by the population GDP/population

```
SELECT name, gdp/population FROM world WHERE population >= 200000000
```

Submit SQL | Restore default



Correct answer

name	gdp/population
Brazil	11115.2648
China	6121.7106
India	1504.7931
Indonesia	3482.0205
United States	51532.2945

South America In millions

4.

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 FROM world WHERE continent = 'South America'
```

Submit SQL | Restore default

Correct answer

name	population/10...
Argentina	42.6695
Bolivia	10.0273
Brazil	202.794
Chile	17.773
Colombia	47.662
Ecuador	15.7742
Guyana	0.7848
Paraguay	6.7834

France, Germany, Italy

5.

Show the `name` and `population` for France, Germany, Italy

```
SELECT name, population FROM world WHERE name IN ('France', 'Germany', 'Italy')
```

Submit SQL | Restore default

Correct answer

name	population
France	65000000
Germany	80716000
Italy	60782668

United

6.

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

```
SELECT name FROM world WHERE name LIKE '%United%'
```

Submit SQL | Restore default

Correct answer

name
United Arab Emirates
United Kingdom
United States

Two ways to be big

7.

Two ways to be big: A country is **big I** 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 area > 3000000 OR population > 250000000
```

Submit SQL | Restore default

Correct answer

name	population	area
Australia	25499300	7692024
Brazil	202794000	8515767
Canada	35427524	9984670
China	1393409038	9596961
India	1241160000	3166414
Indonesia	252164800	1904569
Russia	146000000	17125242
United States	318622000	9629091

One or the other (but not both)

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 area > 3000000 XOR population > 250000000
```

Submit SQL | Restore default

Correct answer

name	population	area
Australia	25499300	7692024
Brazil	202794000	8515767
Canada	35427524	9984670
Indonesia	252164800	1904569
Russia	146000000	17125242

Rounding

9.

Show the `name` and `population` in millions and the GDP in billions for the countries of the `continent` 'South America'. Use the ROUND function to show the values to two decimal places.

For South America 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.

```
SELECT name, ROUND(population/1000000, 2), ROUND(gdp/1000000000, 2) FROM world WHERE continent = 'South America'
```

Submit SQL | Restore default

Correct answer

name	ROUND(populat...	ROUND(gdp/100...
Argentina	42.67	477.03
Bolivia	10.03	27.04
Brazil	202.79	2254.11
Chile	17.77	268.31
Colombia	47.66	369.81
Ecuador	15.77	87.5
Guyana	0.78	2.85
Paraguay	6.78	35.94

Click here to play the SELECT card game#

Trillion dollar economies

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
```

Submit SQL | Restore default

Correct answer

name	ROUND(gdp/pop...
Australia	65000
Brazil	11000
Canada	45000
China	6000
France	40000
Germany	42000
India	2000
Italy	33000

Name and capital have the same length

11.

Greece has capital Athens.

Each of the strings 'Greece', and 'Athens' has 6 characters.

Show the name and capital where the name and the capital have the same number of characters.

- You can use the LENGTH function to find the number of characters in a string

```
SELECT name, LENGTH(name), continent, LENGTH(continent), capital, LENGTH(capital)
FROM world
WHERE name LIKE 'G%'
```

Submit SQL | Restore default

result

Matching name and capital

12.

The capital of Sweden is Stockholm. Both words start with the letter 'S'.

Show the name and the capital where the first letters of each match. Don't include countries where the name and the capital are the same word.

- You can use the function LEFT to isolate the first character.
- You can use `<>` as the **NOT EQUALS** operator.

```
SELECT name, LIFT(name,1), capital
FROM world
```

Submit SQL | Restore default

result

All the vowels

13.

Equatorial Guinea and **Dominican Republic** have all of the vowels (a e i o u) in the name. They don't count because they have more than one word in the name.

Find the country that has all the vowels and no spaces in its name.

- You can use the phrase `name NOT LIKE '%a%'` to exclude characters from your results.
- The query shown misses countries like Bahamas and Belize because they contain at least one 'a'

```
SELECT name
FROM world
WHERE name LIKE '%i%'
  AND name NOT LIKE '%a%'
```

Submit SQL | Restore default

result

What Next

Click here to play the SELECT card game#

- BBC QUIZ
- You can to continue practicing the the same techniques and gain more experience of the basic skills on the Nobel table. The `WHERE` statement using the `nobel` table.
- You can learn about nested statements, these are instructive and entertaining, but not essential for beginners. Nested `SELECT` statements using the `nobel` table.

Categories: Pages using deprecated source tags | Languages pages

Ad ▷ ✕

Google Pixel 6 bundle savings
Save $99 when you pre-order the new Google Pixel 6 and Pixel Buds A-Series together.
Shop Now
Google Store