SUM and COUNT

Language:

English · 日本語 · 中文

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World Country Profile: Aggregate functions

This tutorial is about aggregate functions such as COUNT, SUM and AVG. An aggregate function takes many values and delivers just one value. For example the function SUM would aggregate the values 2, 4 and 5 to deliver the single value 11.

name	continent	area	population	gdp
Afghanistan	Asia	652230	25500100	20343000000
Albania	Europe	28748	2831741	12960000000
Algeria	Africa	2381741	37100000	188681000000
Andorra	Europe	468	78115	3712000000
Angola	Africa	1246700	20609294	100990000000

You might want to look at these examples first

Using SUM, Count, MAX, DISTINCT and ORDER BY.

Total world population

1.

Show the total **population** of the world.

world(name, continent, ar	ea, population, gdp)	
SELECT SUM(population FROM world)	
Submit SQL	restore default	

Correct answer

SUM(population)

7118632738

List of continents

2.

List all the continents - just once each.

12/15/24, 8:17 PM SUM and COUNT - SQLZoo select distinct continent from world Submit SQL restore default **Correct answer** continent Africa Asia Caribbean Eurasia Europe North America Oceania

GDP of Africa

Give the total GDP of Africa

select sum(GDP) from world where continent = "Africa"

Submit SQL

restore default

Correct answer

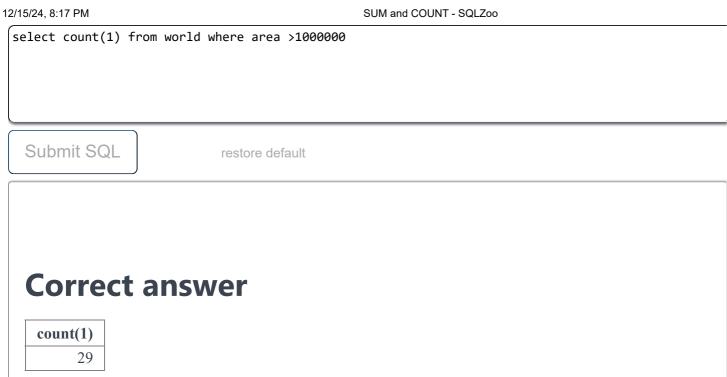
sum(GDP)

1811788000000

Count the big countries

4.

How many countries have an area of at least 1000000



Baltic states population

5.

What is the total **population** of ('Estonia', 'Latvia', 'Lithuania')

select sum(population) from world where name in ('Estonia', 'Latvia', 'Lithuania');

Submit SQL

restore default

Correct answer

sum(population)

6251750

Using GROUP BY and HAVING

You may want to look at these examples: Using GROUP BY and HAVING.

Counting the countries of each continent

6

For each **continent** show the **continent** and number of countries.

select continent, count(name) from world group by continent

Submit SQL

restore default

Correct answer

continent	count(name)	
Africa	53	
Asia	47	
Caribbean	11	
Eurasia	2	
Europe	44	
North America	11	
Oceania	14	
South America	13	

Counting big countries in each continent

7.

For each **continent** show the **continent** and number of countries with populations of at least 10 million.

SELECT continent, count(name) as "population > 10m" FROM world where population > 10000000 GROUP BY continent

Submit SQL

restore default

Correct answer

continent	population > 10m
Africa	29
Asia	26
Caribbean	2
Eurasia	1
Europe	14
North America	4
Oceania	1
G .1 .	

Counting big continents

8.

List the continents that **have** a total population of at least 100 million.

select continent from world group by continent having sum(population) > 100000000

Submit SQL

restore default

Correct answer

	4 .	4
con	tın	ent
CUII	LIII	CIII

Africa

Asia

Eurasia

Europe

North America

South America

SUM and COUNT Quiz

The nobel table can be used to practice more SUM and COUNT functions.

The next tutorial looks at the Table Tennis database. It shows how queries may use records from two related tables.

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