

# SUM and COUNT

From SQLZOO

Language

English • 中文

## 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
...				

## Exercises

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

Summary

# 1.

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

```
world(name, continent, area, population, gdp)
```

```
SELECT continent, SUM(population)
FROM world
group by continent
```

Submit SQL

Restore default

result

---

## 2.

List all the continents - just once each.

```
select distinct continent  
from world
```

Submit SQL

Restore default

result

---

# 3.

Give the total GDP of Africa

```
select sum(gdp)
from world
where continent='Africa'
```

Submit SQL

Restore default

result

---

# 4.

How many countries have an **area** of at least 1000000

```
select count(name) from world
where area > 1000000
```

Submit SQL

Restore default

result

---

# 5.

What is the total **population** of ('France','Germany','Spain')

```
select sum(population) from world
where name in ('France','Germany','Spain')
```

Submit SQL

Restore default

## Correct answer

<b>sum(populatio..</b>
193231700

Using GROUP BY and HAVING.

---

# 6.

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

```
select continent, count(name) as Nbofcountries from world
group by continent
```

Submit SQL

Restore default

## Correct answer

continent	Nbofcountries
Africa	53
Asia	47
Caribbean	11
Eurasia	2
Europe	42
North America	11
Oceania	14
South America	13

---

7.

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

```
select continent, count(name) from world
where population > 10000000
group by continent
```

Submit SQL

Restore default

## Correct answer

continent	count(name)
Africa	28
Asia	27

Caribbean	2
Eurasia	1
Europe	13
North America	4
Oceania	1
South America	8

## 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

continent
Africa
Asia
Eurasia
Europe
North America
South America

Clear your results

## 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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