SUM and COUNT Quiz

Language:	English · 日本語

SUM and COUNT QUIZ

bbc

name	region	area	population	gdp
Afghanistan	South Asia	652225	26000000	
Albania	Europe	28728	3200000	6656000000
Algeria	Middle East	2400000	32900000	75012000000
Andorra	Europe	468	64000	
...				

1. Select the statement that shows the sum of population of all countries in 'Europe'

```
SELECT name, population FROM bbc WHERE region = 'Europe'
```

```
SELECT population FROM bbc WHERE region = 'Europe' SUM BY region
```

```
SELECT SUM(population) FROM bbc WHERE region = 'Europe'
```

```
SELECT SUM(population FROM bbc WHERE region = 'Europe')
```

```
SUM population FROM bbc WHERE region = 'Europe'
```

2. Select the statement that shows the number of countries with population smaller than 150000

```
SELECT COUNT(name) FROM bbc WHERE population < 150000
```

```
SELECT COUNT(population < 150000) FROM bbc
```

```
SELECT name FROM bbc WHERE population < 150000
```

```
SELECT population AS COUNT FROM bbc WHERE population < 150000
```

```
SELECT SUM() FROM bbc WHERE population < 150000
```

3. Select the list of core SQL aggregate functions

AVG(), COUNT(), FIRST(), LAST(), SUM()

AVG(), COUNT(), MAX(), MEDIAN(), MIN(), ROUND(), SUM()

AVG(), COUNT(), CONCAT(), FIRST(), LAST(), MAX(), MIN(), SUM()

AVG(), COUNT(), MAX(), MIN(), SUM()

COUNT(), SUM()

4. Select the result that would be obtained from the following code:

```
SELECT region, SUM(area)
  FROM bbc
 WHERE SUM(area) > 15000000
 GROUP BY region
```

Table-A

Europe	17000000

Table-B

Europe	17000000

Asia-Pacific	23460000
North America	21660000

Table-C

Europe
Asia-Pacific
North America

No result due to invalid use of the GROUP BY function

No result due to invalid use of the WHERE function

5. Select the statement that shows the average population of 'Poland', 'Germany' and 'Denmark'

```sql
SELECT AVG(population) FROM bbc WHERE name = ('Poland', 'Germany', 'Denmark')
```

```sql
SELECT AVG(population) FROM bbc WHERE name IN ('Poland', 'Germany', 'Denmark')
```

```sql
SELECT AVG(population) FROM bbc WHERE name LIKE ('Poland', 'Germany', 'Denmark')
```

```sql
SELECT AVG(population) FROM bbc WHERE name LIKE (Poland, Germany, Denmark)
```

```
SELECT population FROM bbc WHERE name IN ('Poland', 'Germany', 'Denmark')
```

6. Select the statement that shows the medium population density of each region

```
SELECT region, AVG(population/area) AS density FROM bbc
```

```
SELECT region, COUNT(population)/COUNT(area) AS density FROM bbc GROUP BY region
```

```
SELECT region, SUM(population)/COUNT(area) AS density FROM bbc GROUP BY region
```

```
SELECT region, SUM(population)/SUM(area) AS density FROM bbc HAVING region
```

```
SELECT region, SUM(population)/SUM(area) AS density FROM bbc GROUP BY region
```

7. Select the statement that shows the name and population density of the country with the largest population

```
SELECT name, density AS population/area FROM bbc WHERE population = MAX(population)
```

```
SELECT name, density AS population/area FROM bbc WHERE population = (SELECT MAX(population) FROM bbc)
```

```
SELECT name, MAX (population) FROM bbc WHERE population / (SELECT area FROM bbc)
```

```
SELECT name, population/area AS density FROM bbc WHERE population = (SELECT MAX(population) FROM bbc)
```

```
SELECT name, population/area AS density FROM bbc WHERE population > (SELECT MAX(population) FROM bbc)
```

8. Pick the result that would be obtained from the following code:

```
SELECT region, SUM(area)
  FROM bbc
 GROUP BY region
 HAVING SUM(area)<= 20000000
```

Table-A

732240
13403102
17740392
4943771

Table-B

Africa	22550927
Asia-Pacific	28759578
Europe	23866987
North America	21660000

Table-C

Africa
Asia-Pacific
Europe
North America

Table-D

Americas	732240
Middle East	13403102
South America	17740392
South Asia	9437710

Table-E

Americas
Middle East
South America
South Asia

Score the test

Your score is: 8 out of 8

Retrieved from "http://sqlzoo.net/w/index.php?title=SUM_and_COUNT_Quiz&oldid=39737"

This page was last edited on 24 March 2020, at 10:44.