

World II – Assignment

1. How many countries in each continent have life expectancy greater than 70?

| | continent | total_countries | lifeexpectancy |
|---|---------------|-----------------|----------------|
| ▶ | North America | 29 | 78.4 |
| | Europe | 36 | 71.6 |
| | Asia | 22 | 74.1 |
| | South America | 9 | 75.1 |
| | Oceania | 9 | 75.1 |
| | Africa | 6 | 75.5 |

6 row(s) returned

2. How many countries in each continent have life expectancy between 60 and 70?

| | continent | total_countries | lifeexpectancy |
|---|---------------|-----------------|----------------|
| ▶ | Asia | 21 | 66.4 |
| | Europe | 8 | 68.0 |
| | South America | 4 | 63.7 |
| | Africa | 7 | 60.0 |
| | Oceania | 10 | 67.9 |
| | North America | 7 | 64.5 |

6 row(s) returned

3. How many countries have life expectancy greater than 75?

| | country | lifeexpectancy |
|---|----------------|----------------|
| ▶ | Aruba | 78.4 |
| | Anguilla | 76.1 |
| | Andorra | 83.5 |
| | Argentina | 75.1 |
| | American Samoa | 75.1 |
| | Australia | 79.8 |
| | Austria | 77.7 |
| | Belgium | 77.8 |
| | Bermuda | 76.0 |

62 row(s) returned

4. How many countries have life expectancy less than 40?

| | country | lifeexpectancy |
|---|------------|----------------|
| ▶ | Angola | 38.3 |
| | Botswana | 39.3 |
| | Mozambique | 37.5 |
| | Malawi | 37.6 |
| | Rwanda | 39.3 |
| | Zambia | 37.2 |
| | Zimbabwe | 37.8 |

7 row(s) returned

5. How many people live in the top 10 countries with the most population?

| | country | populations |
|---|---------------|-------------|
| ▶ | China | 1277558000 |
| | India | 1013662000 |
| | United States | 278357000 |
| | Indonesia | 212107000 |
| | Brazil | 170115000 |
| | Russia | 145160000 |

10 row(s) returned

6. According to the world database, how many people are there in the world?

| | total_population |
|---|------------------|
| ▶ | 6078749450 |

1 row(s) returned

7. Show results for continents where it shows the continent name and the total population. Only show results where the total_population for the continent is more than 500,00,000. If the continent doesn't have 500,000,000 people, do NOT show the result.

| | continent | total_population |
|---|-----------|------------------|
| ▶ | Asia | 3705025700 |
| | Africa | 784475000 |
| | Europe | 730074600 |

3 row(s) returned

8. Show results of all continents that has average life expectancy for the continent to be less than 71. Show each of these continent name, how many countries there are in each of the continent, total population for the continent, as well as the life expectancy of this continent. For example, as Europe and North America both have continent life expectancy greater than 71, these continents shouldn't show up in your sql results.

| | continent | country | total_population | life_expectancy |
|---|---------------|---------|------------------|-----------------|
| ▶ | Asia | 51 | 3705025700 | 67.44118 |
| | Africa | 58 | 784475000 | 52.57193 |
| | South America | 14 | 345780000 | 70.94615 |
| | Oceania | 28 | 30401150 | 69.71500 |

4 row(s) returned

Now that you've used the group by a bit, let's now have you use this together with other records that were joined from multiple tables.

Now, write a SQL query to obtain answers to the following questions:

1. How many cities are there for each of the country? Show the total city count for each country where you display the full country name.

| | country | number_of_cities |
|---|-------------|------------------|
| ▶ | Aruba | 1 |
| | Afghanistan | 4 |
| | Angola | 5 |
| | Anguilla | 2 |
| | Albania | 1 |

239 row(s) returned

2. For each language, find out how many countries speak each language.

| | country | language | number_of_countries |
|---|-------------|------------|---------------------|
| ▶ | Aruba | Dutch | 5 |
| | Aruba | English | 60 |
| | Aruba | Papiamentu | 2 |
| | Aruba | Spanish | 28 |
| | Afghanistan | Balochi | 4 |

457 row(s) returned

3. For each language, find out how many countries use that language as the official language.

| | language | total_countries | isofficial |
|---|------------|-----------------|------------|
| ▶ | Dutch | 4 | T |
| | Dari | 1 | T |
| | Pashto | 1 | T |
| | English | 44 | T |
| | Albaniana | 1 | T |
| | Catalan | 1 | T |
| | Papiamentu | 1 | T |
| | Arabic | 22 | T |
| | Spanish | 20 | T |

102 row(s) returned

4. For each continent, find out how many cities there are (according to this database) and the average population of the cities for each continent. For example, for continent A, have it state the number of cities for that continent, and the average city population for that continent.

| | continent | total_cities | average_cities_population |
|---|---------------|--------------|---------------------------|
| ▶ | North America | 581 | 289587.5749 |
| | Asia | 1766 | 395019.3109 |
| | Africa | 366 | 371143.6585 |
| | Europe | 841 | 287684.6766 |
| | South America | 470 | 366037.9979 |

6 row(s) returned

5. (Advanced) Find out how many people in the world speak each language. Make sure the total sum of. this number is comparable to the total population in the world.

| | language | total_population |
|---|------------|------------------|
| ▶ | Chinese | 1191843539.00000 |
| | Hindi | 405633070.00000 |
| | Spanish | 355029462.00000 |
| | English | 347077867.30000 |
| | Arabic | 233839238.70000 |
| | Bengali | 209304719.00000 |
| | Portuguese | 177595269.40000 |
| | Russian | 160807561.30000 |
| | Japanese | 126814108.00000 |

457 row(s) returned