

## 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	142693000

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

232 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