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Bigger than Russia

1. 🤔

List each country name where the population is larger than that of 'Russia'.

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

```
select name from world
where population >
(select population from world
where name = 'Russia')
```

Submit SQL

restore default

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Exercises

1. 🤔

List each country name where the population is larger than that of 'Russia'.

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

Load video

Correct answer

name
Bangladesh
Brazil
China
India
Indonesia
Nigeria
Pakistan

6°C

Пост темноты...

Повск

ENG 11:18 10.11.2023

SELECT within SELECT Tutorial

Nested SELECT Quiz - SQLZoo

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YouTube SQL

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Richer than UK

2. 🤔

Show the countries in Europe with a per capita GDP greater than 'United Kingdom'.

Per Capita GDP

select name from world
where continent = 'Europe' and gdp/population >
(select gdp/population from world where name = 'United Kingdom')

Submit SQL

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sqlzoo select in select 2

2. 🤔

Show the countries in Europe with a per capita GDP greater than 'United Kingdom'.

Per Capita GDP

```
SELECT name FROM world
WHERE continent='Europe' AND
gdp/population>38555.8799
```

Load video

Wrong answer. Too many columns

name	gdp/population
Andorra	42340.1403
Austria	46380.2594
Austria	43166.1422

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3. 🤔

List the name and continent of countries in the continents containing either Argentina or Australia. Order by name of the country.

```
select name, continent from world
where continent in
(select continent from world
where name = 'Argentina' or name = 'Australia')
```

Submit SQLrestore default

Correct answer

name	continent
Argentina	South America
Australia	Insular Oceania
Bolivia	South America
Brazil	South America
Chile	South America
Colombia	South America
Ecuador	South America

Between Canada and Poland

4. 🤔

Which country has a population that is more than United Kingdom but less than Germany? Show the name and the population.

```
select name, population from world
where population >
(select population from world
where name = 'United Kingdom') and population <
(select population from world
where name = 'Germany')
```

Correct answer

name	population
France	68128000
Thailand	68263022

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Percentages of Germany

5. 🤔

Germany (population 80 million) has the largest population of the countries in Europe. Austria (population 8.5 million) has 11% of the population of Germany.

Show the name and the population of each country in Europe. Show the population as a percentage of the population of Germany.

The format should be Name, Percentage for example:

name	percentage
Albania	3%
Andorra	0%
Austria	11%
...	...

Decimal places
Percent symbol %

```
select name,
concat(round(100*population/(select population from world
where name = 'Germany')), '%') as percentage
from world
where continent = 'Europe'
```

Submit SQLrestore default

Correct answer

name	percentage
Albania	3%
Andorra	0%
Austria	11%
Belarus	11%
Belgium	14%
Bosnia and Herzegovina	4%
Bulgaria	8%

sqlzoo select in select 5

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```
SELECT name
FROM world
WHERE population >= ALL(SELECT population
                        FROM world
                        WHERE population>0)
```

You need the condition **population>0** in the sub-query as some countries have **null** for population.

Bigger than every country in Europe

6. 😊

Which countries have a **GDP** greater than every country in **Europe**? [Give the name only]
(Some countries may have **NULL** gdp values)

```
select name from world
where gdp >
all(select gdp from world where continent = 'Europe' and gdp is not null)
```

Submit SQL

restore default

Correct answer

name
China
Japan
United States

We can refer to values in the outer SELECT within the inner SELECT. We can name the tables so that we can tell the difference between the inner and outer versions.

Largest in each continent

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Largest in each continent

7. 😊

Find the largest country (by area) in each continent, show the continent, the name and the area:

The above example is known as a **correlated** or **synchronized** sub-query.

Using correlated subqueries

```
select continent, name, area from world x
where area =
(select max(area) from world y
where x.continent = y.continent)
```

Submit SQL

restore default

Correct answer

continent	name	area
Africa	Algeria	2381741
Insular Oceania	Australia	7633565
South America	Brazil	8460415
Asia	China	9326410
Europe	Russia	16378410
North America	United States	9147593

First country of each continent (alphabetically)

8. 😊

List each continent and the name of the country that comes first alphabetically.

```
select continent, min(name) as name from world
group by continent
order by name
```

Correct answer

continent	name
Asia	Afghanistan
Europe	Albania

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9. 🤔

Find the continents where all countries have a population <= 25000000. Then find the names of the countries associated with these continents. Show name, continent and population.

```
select name, continent, population from world
where continent in (
  select continent
  from world
  group by continent
  having max(population) <= 25000000
);
```

Submit SQL

restore default

Correct answer

name	continent	population
------	-----------	------------

Three time bigger

10. 🤔

Some countries have populations more than three times that of all of their neighbours (in the same continent). Give the countries and continents.

```
select name, continent from world
where population >
3 * (select max(population) from world as continent
where continent.continent = world.continent AND continent.name <> world.name)
```

Correct answer

name	continent
Brazil	South America

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The Maldives

Table-B

Bangladesh
India
Pakistan

Table-C

China
India

Table-D

Brazil
Bangladesh
China
India

Table-E

France
Germany
Russia
Trukey

Score the test

Your score is: 7 out of 7

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