1. 😄

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

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

```sql
SELECT name FROM world
  WHERE population >
    (SELECT population FROM world
     WHERE name='Russia')
```

Submit SQL   restore default

Correct answer

name
Bangladesh
Brazil
China
India
Indonesia
Nigeria
Pakistan

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   restore default

Corre

name
Andorra
Austria
Belgium
Denmark
Finland
France
Germany

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 IN ('Argentina', 'Australia')
)
ORDER BY name;
```

Submit SQL   restore default

Correct ans

name
Argentina
Australia
Bolivia
Brazil
Chile
Colombia
Ecuador

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')
```

Submit SQL   restore default

Correct ans

name
Congo, Democratic R
France
Iran
Thailand
Turkey

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((population / (SELECT population FROM world
    WHERE name = 'Germany') * 100), 0), '%') AS percentage
    FROM world
WHERE continent = 'Europe';
```

name
Albania
Andorra
Austria
Belarus
Belgium
Bosnia and Herzegovin
Bulgaria

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

name
China
Japan
United States

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 >= ALL
    (SELECT area FROM world y
        WHERE y.continent=x.continent
          AND population>0)
```

Submit SQL   restore default

Correct ans

continent	
Africa	Al
Oceania	Au
South America	Br
North America	Ca
Asia	Ch
Caribbean	Cu
Europe	Ka

8. 😃

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

```
SELECT continent, name
FROM world
GROUP BY continent
ORDER BY continent |
```

Submit SQL   restore default

Correct ans

continent	
Africa	Alg
Asia	Afg
Caribbean	An
Eurasia	Ar
Europe	Alb
North America	Be
Oceania	Au
South America	Arg