

1.
Show the name, continent and population of all countries.

```
SELECT name, continent, population FROM world
```

2.
Show the name for the countries that have a population of at least 200 million.

```
SELECT name FROM world  
WHERE population >= 200000000;
```

3.
Give the name and the per capita GDP for those countries with a population of at least 200 million.

```
SELECT name, gdp/population AS per_capita_gdp FROM world  
WHERE population >= 200000000;
```

4.
Show the name and population in millions for the countries of the continent 'South America'.

```
SELECT name, population/1000000 FROM world  
WHERE continent = 'South America';
```

5.
Show the name and population for France, Germany, Italy.

```
SELECT name, population FROM world  
WHERE name IN ('France','Germany','Italy');
```

6.
Show the countries which have a name that includes the word 'United'.

```
SELECT name FROM world  
WHERE name LIKE '%United%';
```

7.
Two ways to be big: A country is big if it has an area of more than 3 million sq km or it has a population of more than 250 million.

```
SELECT name, population, area  
FROM world  
WHERE area >= 3000000 OR population >= 250000000;
```

8.
Exclusive OR (XOR): Show the countries that are big by area (>3 million) or big by population (>250 million) but not both.

```
SELECT name, population, area  
FROM world  
WHERE (area > 3000000 AND population <= 250000000)  
OR (area <= 3000000 AND population > 250000000);
```

9.
Show the name and population in millions and the GDP in billions for the countries of the continent 'South America'. Use ROUND to 2 decimals.

```
SELECT name,
```

```
ROUND(population/1000000,2) AS population_million,  
ROUND(gdp/1000000000,2) AS gdp_billion  
FROM world  
WHERE continent = 'South America';
```

10.

Show the name and per-capita GDP for those countries with a GDP of at least one trillion. Round per-capita GDP to nearest \$1000.

```
SELECT name, ROUND(gdp/population,-3) AS per_capita_gdp  
FROM world  
WHERE gdp >= 1000000000000;
```

11.

Show the name and capital where the name and the capital have the same number of characters.

```
SELECT name, capital  
FROM world  
WHERE LENGTH(name) = LENGTH(capital);
```

12.

Show the name and the capital where the first letters of each match. Exclude where name = capital.

```
SELECT name, capital  
FROM world  
WHERE LEFT(name,1) = LEFT(capital,1)  
AND name <> capital;
```

13.

Find the country that has all the vowels (a,e,i,o,u) and no spaces in its name.

```
SELECT name  
FROM world  
WHERE name LIKE '%a%'  
AND name LIKE '%e%'  
AND name LIKE '%i%'  
AND name LIKE '%o%'  
AND name LIKE '%u%'  
AND name NOT LIKE '% %';
```