

## MySQL Code Talk Week 2

### Working with SELECT Statements

Visit: <https://beginner-sql-tutorial.com/sql-select-statement.htm> to aid with your understanding.

Use the **world** table below to solve every question.

name	region	area	population	gdp
Afghanistan	South Asia	652225	26000000	
Albania	Europe	28728	3200000	6656000000
Algeria	Middle East	2400000	32900000	75012000000
Andorra	Europe	468	64000	
...				

1. Write the code which produces this table:

name	population
Bahrain	1234571
Swaziland	1220000
Timor-Leste	1066409

```
SELECT name, population
FROM WORLD
WHERE name IN ('Bahrain', 'Swaziland', 'Timor-Leste');
```

2. Pick the result you would obtain from this code:

```
SELECT name, population
FROM world
WHERE name LIKE "Al%"
```

Name	Population
Albania	3200000
Algeria	32900000

3. Pick the result you would obtain from this code:

```
SELECT name, area*2 FROM world WHERE population = 64000  
ANDORRA | 936
```

4. Create the code that shows the population density of China, Australia, Nigeria and France.

```
SELECT name, population / area AS population_density  
FROM world  
WHERE name IN ('China', 'Australia', 'Nigeria', 'France');
```

5. Create the code that would show the countries with an area larger than 50000 and a population smaller than 10000000

```
SELECT name  
FROM world  
WHERE area > 50000 AND population < 10000000;
```

6. Create the code which shows the countries that end in A or L

```
SELECT name  
FROM world  
WHERE name LIKE '%A' OR name LIKE '%L';
```

7. How is the SELECT statement used and why is it important?

The select statement is used to choose certain fields of data in a table and is important because it filters unnecessary or unrequired data from you display and allows you to direct access to the data you need to manipulate or display