MANUAL LMD SQL

SELECT basics

Introducing the world table of countries

1. The example uses a WHERE clause to show the population of 'France'. Modify it to show the population of Germany.

Respuesta:

```
select population from world where name='Germany';
```

Correct answer

population
80716000

Scandinavia

2. Checking a list with the word IN allows us to check if an item is in a list. Show the name and the population for 'Sweden', 'Norway' and 'Denmark'.

Respuesta:

```
select name, population from world where name in('Sweden', 'Norway', 'Denmark');
```

Correct answer

name	population
Denmark	5634437
Norway	5124383
Sweden	9675885

Just the right size

3. Which countries are not too small and not too big? `between` allows

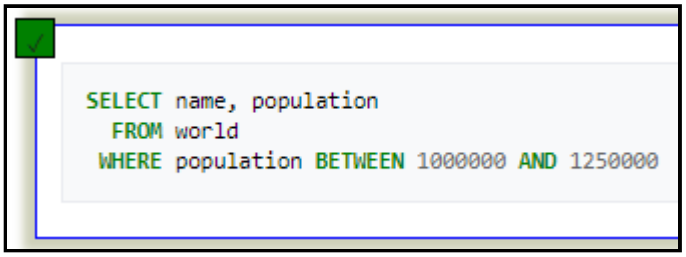
---

SELECT basics - quiz

1. Select the code which produces this table:

name	population
Bahrain	1234571
Swaziland	1220000
Timor-Leste	1066409

Respuesta:



```
SELECT name, population
  FROM world
 WHERE population BETWEEN 1000000 AND 1250000
```

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

```
select name, population from world where name like "Al%"
```

Respuesta:

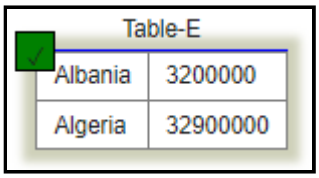
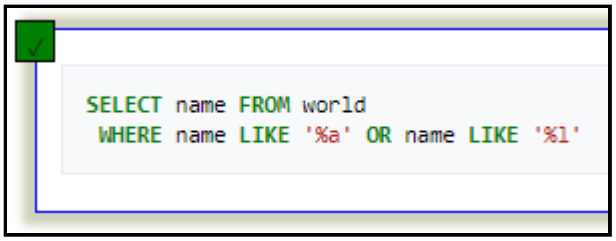


Table-E

Albania	3200000
Algeria	32900000

3. Select the code which shows the countries that end in A or L.

Respuesta:

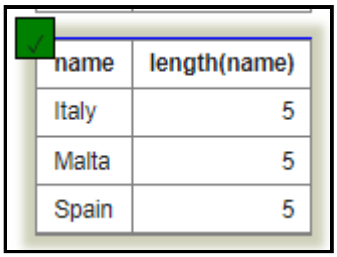


```
SELECT name FROM world
 WHERE name LIKE '%a' OR name LIKE '%l'
```

4. Pick the result from the query:

```
select name, length(name) from world where length(name)=5 and region='Europe';
```

Respuesta:



name	length(name)
Italy	5
Malta	5
Spain	5

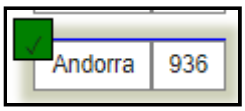
5. Here are the first few rows of the world table:

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	
...				

Pick the result you would obtain from this code:

```
select name, area*2 from world where population=64000;
```

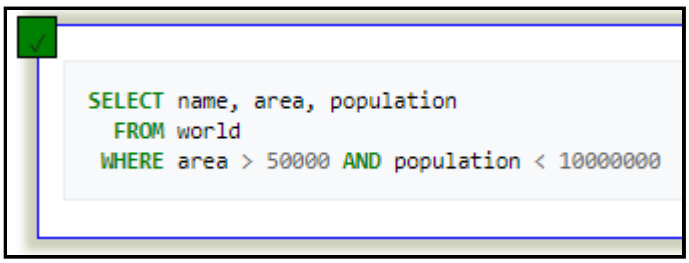
Respuesta:



Andorra	936

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

Respuesta:



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

7. Select the code that shows the population density of Chine, Australia, Nigeria and France.

Respuesta:

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