SELECT names

From SQLZOO

Language:	English •	中文
name	continent	
Afghanistan	Asia	
Albania	Europe	
Algeria	Africa	
Andorra	Europe	
Angola	Africa	

Pattern Matching Strings

This tutorial uses the LIKE operator to check names. We will be using the SELECT command on the table world:

Summary

1

You can use WHERE name LIKE 'B%' to find the countries that start with "B".

■ The % is a wild-card it can match any characters

Find the country that start with Y



Find the countries that end with y

SELECT name FROM world
WHERE name LIKE '%y'

Submit SQL

Restore default

Correct answer

name
Turkey
Germany
Hungary
Italy
Norway
Vatican City
Paraguay
Uruguay

3.

Luxembourg has an \mathbf{x} - so does one other country. List them both.

Find the countries that contain the letter **x**

SELECT name FROM world
WHERE name LIKE '%x%'

Submit SQL

Restore default

Correct answer

name
Luxembourg
Mexico

Iceland, Switzerland end with land - but are there others?

Find the countries that end with land

SELECT name FROM world
WHERE name LIKE '%land'

Submit SQL

Restore default

Correct answer

name

Swaziland

Thailand

Finland

Iceland

Ireland

Poland

Switzerland
New Zealand

5.

Columbia starts with a ${\bf C}$ and ends with ${\bf ia}$ - there are two more like this.

Find the countries that start with C and end with ia

SELECT name FROM world WHERE name LIKE 'C%ia'

Submit SQL

Restore default

Correct answer

name

Cambodia Colombia

Croatia

Greece has a double e - who has a double o?

Find the country that has oo in the name

SELECT name FROM where name LIKE			
WHERE NAME LIKE	%00%		
Submit SQL	Restore default		
Correct	answer		
name Cameroon			

7.

Bahamas has three a - who else?

Find the countries that have three or more a in the name

SELECT name FROM world
WHERE name LIKE '%a%a%a%'

Submit SQL

Restore default

Correct answer

name
Central African Republic
Equatorial Guinea
Madagascar
Mauritania
Tanzania
Afghanistan
Azerbaijan
Kazakhstan
Malaysia

India and Angola have an \mathbf{n} as the second character. You can use the underscore as a single character wildcard.

SELECT name FROM world

WHERE name LIKE '_n%'

ORDER BY name

Find the countries that have "t" as the second character.

SELECT name FROM world
WHERE name LIKE '_t%'
ORDER BY name

Submit SQL

Restore default

Correct answer



9.

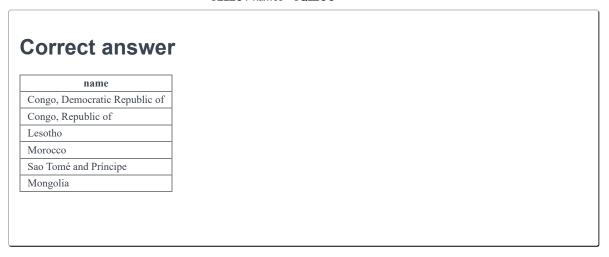
Lesotho and Moldova both have two o characters separated by two other characters.

Find the countries that have two "o" characters separated by two others.

SELECT name FROM world
WHERE name LIKE '%o_o%'

Submit SQL

Restore default



Cuba and Togo have four characters names.

Find the countries that have exactly four characters.

SELECT nam WHERE nam	ame FROM world ame LIKE ''	
Submit	Restore default	
Corı	rect answer	
name		
Chad		
Mali Togo	_	
Iran	_	
Iraq	_	
Laos		
Oman		
Cuba		
Fiji		*

Harder Questions

Well done for getting this far.

The next questions are optional and only for students who are finding the basic questions too easy.

The capital of Luxembourg is Luxembourg. Show all the countries where the capital is the same as the name of the country

Find the country where the name is the capital city.

SELECT name FROM world WHERE capital LIKE name			
Submit SQL	Restore default		
Correct ans	SWOr		
Correct and	SAACI		
name			
Djibouti			
Luxembourg			
San Marino			
Singapore			

12.

The capital of Mexico is Mexico City. Show all the countries where the capital has the country together with the word "City".

Find the country where the capital is the country plus "City".

The concat function

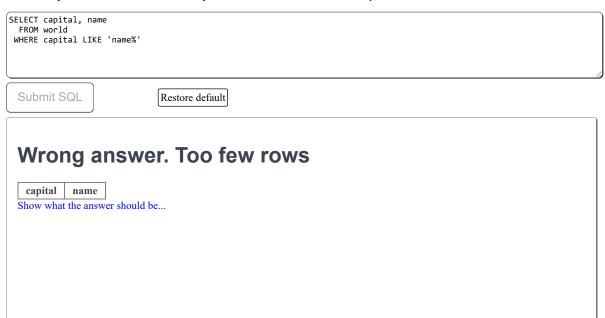
```
SELECT name
FROM world
WHERE capital LIKE '%City'
```

Submit SQL

Restore default



Find the capital and the name where the capital includes the name of the country.



14.

Find the capital and the name where the capital is an extension of name of the country.

You should include Mexico City as it is longer than Mexico. You should not include Luxembourg as the capital is the same as the country.

Submit SQL	Restore default		
result			

For Monaco-Ville the name is Monaco and the extension is -Ville.

Show the name and the extension where the capital is an extension of name of the country.

You can use the SQL function REPLACE.

Submit SQL	Restore default
result	

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